PROCEEDINGS

OF THE

MADRAS GOVERNMENT

IN THE

PUBLIC WORKS DEPARTMENT,

BUILDINGS AND ROADS BRANCH,

FOR THE

MONTH OF AUGUST 1897.

Printed by Authority.

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INDEX

TO THE

TABLE OF CONTENTS AND TABULAR STATEMENT OF MISCELLANEOUS PROCEEDINGS AND MATTERS OF ROUTINE,

BUILDINGS AND ROADS,

FOR THE MONTH OF AUGUST 1897.

	—	Page.
A		
Applications for deputation, travelling and other allowances	Routine.	3
Articles of European manufacture.—Local purchase of —	Routine.	5
Appointments.—Subordinate — for relief works in Bellary division ...	Routine.	5
Administration Reports of the Public Works Department forwarded to Chief Engineer, Punjab	Routine.	5
Artillery Barracks at Cannanore	Routine.	7
Accounts Clerk Calmiano, Kurnool	Routine.	10
Accident	Routine.	13
Amir Mahal	Routine.	14
Assessment on Government buildings.—Municipal —	Routine.	17
Affected districts of the Madras Presidency	Routine.	22
B		
Burma Engineer establishment	Regular.	6
Building in Chingleput Fort purchased for use as certain public offices .	Regular.	7
Building in Tellicherry Fort occupied by Sub-Collector's office ...	Regular.	8
Buildings in Central Provinces.—Cost and area of certain — ...	Routine.	9
Bank of the Sarada river.—Funds for repairing —, Kasimkota estate .	Routine.	11
Bhaskara Aiyar, M.R.Ry. S., Apprentice Engineer	Routine.	24
Books in flat files of records	Routine.	25

	—	Page.
Bengal Barrack Regulations	Routine.	26
Bellary District Manual	Routine.	34
Book.—Supply of certain — to the Chief Engineer for Irrigation ...	Routine.	36
C		
Culvert under the Willow bund, Ootacamund drainage scheme ...	Regular.	1
Central Jail, Cannanore	Regular.	2
Central and District Jails at Coimbatore	Regular.	4
Camp Equipage	Regular.	4
College of Engineering Manuals	Routine.	5
Contingent bill of the Bellary division for May	Routine.	5
Circulation boxes	Routine.	5
Compensation for sittings for soldiers in the Wesleyan Chapel, St. Thomas' Mount	Routine.	12
Conolly's canal	Routine.	17
Central Jail at Vellore	Routine.	20
Contingent bills of the Cuddapah division	Routine.	23
Correspondence	Routine.	24
Chemical Laboratory, Presidency College	Routine.	25
Credits	Routine.	28
Civil Engineers and Uncovenanted Civil Servants, European and East Indian, in the Madras Public Works Department	Routine.	29
Coal tar.—Local purchase of —	Routine.	33
Cruz Milagre dam	Routine.	34
Chinnaswamy Buther, P., Temporary Overseer	Routine.	36
Credit.—Letters of —	Routine.	36
D		
District Jail, Bellary	Regular.	3
Drainage of Solayappa Mudali Street, Kumbakónam	Regular.	7
Durbar.—Collector's —	Routine.	4
Deputation of M.R.Ry. T. Rama Rau, Deputy Collector, Bellary, as Assistant to the Sanitary Commissioner	Routine.	6
District Munsif's Court, Bezwada	Routine.	9
Draftsman for Muniyeru project revised estimates	Routine.	10

	—	Page.
Diversion of the Kallibhuti Nalla, Ganjám district	Routine.	11
Draftsman's certificate	Routine.	11
Draftsman	Routine.	13
Davey, Mr. J. S., Temporary Overseer	Routine.	15
Delay in the Public Works workshops supplying weighing scales to weavers' depôt at Proddatur	Routine.	17
Distress at Calicut	Routine.	17
Distribution lists of the "Journal of Indian Art and Industry" ...	Routine.	23
E		
Establishment	Regular.	3
Establishment	Regular.	5
Expenditure on Imperial Military works	Regular.	6
Executive Engineer's quarters at Duggirala	Regular.	6
Exchange compensation allowance	Regular.	9
European Infantry bomb proof barracks at Trichinopoly	Routine.	1
Estimates of famine expenditure	Routine.	3
Establishment	Routine.	4
Extension of lien to a clerk in III Circle	Routine.	4
Economic condition of certain affected districts	Routine.	6
Establishment	Routine.	6
Establishment	Routine.	7
Examination Rules	Routine.	7
Expenditure under "33. *Famine Relief*"	Routine.	9
Examination Rules	Routine.	10
Establishment	Routine.	11
Establishment	Routine.	16
Estimates of famine relief expenditure	Routine.	20
Extension of groynes at Cocanada	Routine.	20
European stores.—Local purchase of —	Routine.	21
Establishment	Routine.	23
Erratum	Routine.	25
Exchange compensation allowance	Routine.	25

	—	Page.
Examination Rules	Routine.	26
Establishment	Routine.	30
Examination Rules	Routine.	30
Expenditure on famine relief	Routine.	31
European stores.—Local purchase of —	Routine.	33
Examination Rules	Routine.	35
F		
Famine wages	Regular.	2
Famine establishment	Regular.	10
Funds for works in I Circle	Regular.	11
Funds.—Provision of — for certain boxes for the Military Department	Regular.	12
Famine relief works in Trichinopoly district	Regular.	12
Famine allowance	Routine.	2
Famine sub-division in Ganjám division	Routine.	4
Famine relief operations	Routine.	5
Fortnightly Famine Narrative of certain districts	Routine.	6
Fortnightly Famine Narrative of Anantapur district	Routine.	7
Famine relief work	Routine.	7
Famine relief works	Routine.	7
Fifty-five years' rule	Routine.	8
Funds	Routine.	14
Famine relief estimates, Famine tools, &c.	Routine.	15
Famine	Routine.	16
Famine	Routine.	17
Famine	Routine.	17
Famine expenditure	Routine.	18
Funds	Routine.	19
Famine relief	Routine.	21
Famine batta	Routine.	23
Famine estimates in North Arcot district	Routine.	24

	—	Page.
Family quarters for British Infantry detachment at Calicut	Routine.	24
Famine relief	Routine.	28
Funds	Routine.	29
Funds	Routine.	30
Famine	Routine.	30
Famine relief	Routine.	31
Famine	Routine.	32
Famine relief	Routine.	34
Funds	Routine.	34
Funds	Routine.	35
G		
Government House, Ootacamund	Regular.	4
Government Gardens and Parks, The Nilgiris	Routine.	10
General Hospital	Routine.	12
Grant for Military Works	Routine.	13
Government House, Madras	Routine.	15
Gopal Reddy, R., retired Draftsman	Routine.	21
Graves of Europeans in Native States	Routine.	29
Gratuity	Routine.	31
H		
Honorary Commissioned, Warrant and Non-Commissioned officers ...	Regular.	9
Harris, Mr. G. S. T.	Regular.	9
Hospital Assistant on famine duty.—Charge allowance to a — ...	Routine.	12
Head-quarters of the Wynaad taluk	Routine.	19
Howley, Mr. W. J., Executive Engineer	Routine.	27
I		
Incomplete works under Excluded Local Funds of 1896–97 and proposed new works for the current year	Regular.	2
Indents for stores	Regular.	3
Instructions in Plan-drawing and Estimating to Junior Civilians and Probationary Deputy Collectors	Regular.	7

	—	Page.
Imprest	Regular.	9
Indent for a Stoney's sluice and other stores	Regular.	12
Interchange of residences between the Executive Engineers, Kistna Eastern and Northern divisions	Routine.	2
Iron stoves in the clerks' office, Mount Stuart, Ootacamund	Routine.	10
Indent	Routine.	11
Indent	Routine.	13
Indent	Routine.	15
Imprests	Routine.	16
Indent	Routine.	16
Indian Factories Act	Routine.	21
Indent	Routine.	23
Index maps of roads in Chingleput district	Routine.	30
Inspection Notes of Public Works officers on relief works	Routine.	33
Indent	Routine.	34
J		
Jetties at Cocanada	Regular.	6
John Pillai, Civil Apothecary	Routine.	3
K		
Keeling, Mr. H. T., Acting Professor, College of Engineering	Routine.	10
L		
Lighthouse Division.—Sub-division in the —.	Regular.	4
Local purchase of European Stores	Regular.	8
Lighthouses, &c., off the Coast of Burma	Routine.	3
Lewis, Mr. J. M., Manager, office of the Consulting Architect to Government	Routine.	15
Lower Secondary Training School, Madras	Routine.	15
Local Fund Overseers lent to the Public Works Department	Routine.	21
Lascars	Routine.	22
Lunatic Asylum, Calicut	Routine.	25
Leave and pay certificates furnished to officers proceeding on leave to Europe on account of ill-health	Routine.	28

	—	Page.
Lyons, Mr. R. W., Head Clerk, Public Works Secretariat	Routine.	32
Land and Kiln Accounts, Consulting Architect's Division	Routine.	34
Lakshmikanta Row Pantulu, D., late Clerk, Kistna Eastern division.	Routine.	36
M		
Men engaged temporarily for famine duty	Regular.	10
Mooniswami Pillai, C., late Draftsman, Buckingham Canal division ...	Routine.	3
Memorials	Routine.	15
Madras Hill Allowance Code	Routine.	23
Memoirs of the Geological Survey of India	Routine.	23
Mortgage bond and title-deeds of certain property	Routine.	25
Missing voucher	Routine.	26
Medical College, Madras	Routine.	27
Mortuary at Cannanore	Routine.	28
N		
Nilgiri Volunteer Rifles	Regular.	8
Nulliah, N., late peon, Buckingham Canal Division	Routine.	3
Native Papers	Routine.	13
Norfor, Mr. C. H. T., Executive Engineer	Routine.	16
Native Newspapers	Routine.	35
O		
Officers' Messhouse at Malappuram	Regular.	4
Oil gas apparatus for the Presidency College	Regular.	5
Outfall main drain near Fort St. George	Regular.	7
Old Taluk office at Bapatla	Regular.	8
Old European Jail at Ootacamund	Regular.	12
Outlay in excess of appropriation	Regular.	13
Old barracks at Tripassur	Routine.	1
Outlay.—Excess — on Public offices at Tanjore	Routine.	2
Outlay without appropriation on constructing a steamer for the Narasapur ferry	Routine.	4
Objectionable items in accounts of Lighthouse division	Routine.	8

	—	Page.
Overstay of Privilege leave	Routine.	9
Objectionable items statement, I Circle	Routine.	18
Objectionable items statement, VI Circle	Routine.	18
Officers deputed on famine duty	Routine.	20
Officers from Orissa for relief works	Routine.	20
Objectionable items statements, Consulting Architect's division and III Circle	Routine.	26
Objectionable items statement, Consulting Architect's division	Routine.	26
Ootacamund Lake Reclamation project	Routine.	28
Office for Sub-Collector at Hosur	Routine.	29
Ootacamund Lake Reclamation project	Routine.	30
Objectionable items statement, I and IV Circles	Routine.	32
Office building for Sub-Registrar of Denkanikota	Routine.	32
Outlay in excess of appropriation	Routine.	33
Objectionable items statement, V Circle	Routine.	33
Outlay in excess of appropriation	Routine.	34
Objectionable items statement, II Circle	Routine.	35
Ootacamund water-supply	Routine.	36
P		
Paddle boat for Lighthouse division	Regular.	3
Post and Telegraph Office at Koraput, Vizagapatam division	Regular.	4
Palghat Fort	Regular.	7
Protestant Cemetery at Pallavaram	Regular.	9
Protection of buildings from lightning	Regular.	10
Portland Cement	Regular.	11
Purchase of a book for the office of the Chief Engineer for Irrigation ...	Routine.	2
Principal Civil Leave and Pension Rules	Routine.	3
Police station-house at Vániyambádi	Routine.	5
Pereira, Mr. A. C., Executive Engineer	Routine.	6
Pension applications	Routine.	8
Pecuniary relations of Government Officers	Routine.	12
Paymasters in Ganjám district	Routine.	13

	—	Page.
Párvatipuram Jail	Routine.	14
Presidency Port Office building	Routine.	16
Payments in England	Routine.	18
Police Head-quarter office, Calicut	Routine.	18
Public Works Secretariat	Routine.	19
Pereira, Mr. A. C., Executive Engineer.—Change of name of — ...	Routine.	19
Pay and allowances of Military Medical officers on famine duty ...	Routine.	20
Powers of sanction	Routine.	23
Peons in the Ernad Roads Sub-division	Routine.	24
Police Station House at Srungavarapukóta	Routine.	25
Preliminary Account of Provincial Services	Routine.	26
Primary Examination	Routine.	27
Paper Currency office, Madras	Routine.	28
Police hospital at Chintapalle	Routine.	30
Q		
Queen's Own Madras Sappers and Miners.—Officers of the — for famine duty	Routine.	8
R		
Restriction of expenditure on Provincial and Local Fund works withdrawn	Regular.	2
Road from 11th mile on Bellary-Moka road to Karichedu *viâ* Gotur, Bellary district	Regular.	2
Relief works.—Inspection of — by Public Works officers	Regular.	4
Remuneration to Mr. F. J. Wilson for work for the Madras Harbour Trust Board	Regular.	5
Road works in North Arcot district	Regular.	5
Road from Pulivela to Makkamala, Gódávari district	Regular.	6
Road from Nandavaram to join Madhavaram road, Bellary district ...	Regular.	10
Residence for Government Astronomer at Kodaikanal	Regular.	11
Remissions of rent	Regular.	13
Relief workers	Routine.	6
Relief operations	Routine.	7
Relief works	Routine.	7

	—	Page.
Restriction of expenditure during 1897-98	Routine.	8
Relief work at Dumagudem	Routine.	9
Renting of an office building for Supervisor, Alur-Aspari road, Bellary division	Routine.	10
Raghupathy, G., late Lock Superintendent, Gódávari Eastern division ...	Routine.	11
Rules regulating the Personal Conduct of Government Servants ...	Routine.	12
Rent	Routine.	14
Railway siding, &c., at Tuticorin port	Routine.	16
Relief works at Joharapuram	Routine.	18
Relief works in Coimbatore district	Routine.	18
Relief works.—Kodur —	Routine.	19
Rate lists of stores	Routine.	19
Royal Artillery building at Cannanore	Routine.	27
Rules for assessing Government buildings for Municipal taxes	Routine.	29
Rama Rao, G., late Clerk, Superintending Engineer's office, III Circle.	Routine.	30
Restriction of expenditure	Routine.	31
Restriction of expenditure	Routine.	31
S		
Stores.—Public Works — available for transfer in this Presidency ...	Regular.	1
Sub-Registrar's office at Tiruppattúr	Regular.	3
Sub-Registrar's office at Tirukkóyilúr	Regular.	3
Subordinates of the Salt Department for famine duty	Regular.	5
Sub-Registrar's office at Valappadi	Regular.	6
Standing Orders of the Board of Revenue	Routine.	2
Safety of the Treasury rooms at Narasaraopet and Sattenapalle ...	Routine.	3
Storm lanterns for Kurnool-Cuddapah canal	Routine.	4
Security	Routine.	4
Security	Routine.	4
Special Deputy Tahsildars in connection with relief works	Routine.	7
South Infantry lines at Trichinopoly	Routine.	13
Special Assistant Agent's bungalow at Russellkonda	Routine.	13
Sweepers	Routine.	19

	—	Page.
Steel tape.—Local purchase of —	Routine.	21
Supervision of relief works	Routine.	21
Suit	Routine.	21
Sheet lead.—Local purchase of —	Routine.	22
Syed Mahomed, late lock lascar, Gódávari Western division	Routine.	26
Surplus stores	Routine.	26
Sub-Judge's Court building in the Nilgiris	Routine.	28
Settlement.—Revenue —	Routine.	29
Steamers and punts	Routine.	33
Subordinates of other Departments transferred temporarily to the Public Works Department	Routine.	33
Security	Routine.	35
Stores	Routine.	35
T		
Taluk office at Narsapur, Gódávari district	Regular.	1
Tekkali-Anantagiri road, Ganjám district	Regular.	2
Transit pay and Travelling allowance	Regular.	5
Telephonic communication	Regular.	5
Travelling allowance	Regular.	6
Tuticorin port improvements	Regular.	8
Temporary Upper Subordinates	Routine.	2
Telephone	Routine.	5
Tochi Field Force	Routine.	6
Taluk relief officer for Ganjám	Routine.	8
Taluk relief officers for Kurnool and Bellary	Routine.	8
Travelling allowance	Routine.	8
Temporary Upper Subordinates in Dumagudem Sub-division, Gódávari Eastern division...	Routine.	9
Tools and plant	Routine.	9
Temporary Overseers	Routine.	10
Test-work at Kotapalli, Gódávari district	Routine.	13
Teakwood for Reformatory School, Chingleput	Routine.	13

	—	Page.
Telephone	Routine.	16
Taluk office at Tiruvannámalai	Routine.	20
Tents	Routine.	22
Taluk office at Bhavani	Routine.	26
Temporary Engineers	Routine.	27
Taluk relief officer for Gooty	Routine.	27
Taluk office at Proddatur	Routine.	31
Telegraph line to Bhadráchalam	Routine.	31
Telephone	Routine.	36
U		
Unanswered references	Routine.	11
University Examinations, Examiners' fees	Routine.	20
Unanswered references	Routine.	26
V		
Verification of Cantonment boundaries	Regular.	12
Veterinary Hospital, Saidapet	Routine.	25
W		
Water-supply schemes	Regular.	11
Wilson, Mr. F. J., Under Secretary to Government, Irrigation Branch.	Routine.	10
Withdrawals from the treasury	Routine.	18
Warm clothing	Routine.	21
Water-supply scheme, Bellary	Routine.	22
X		
Y		
Z		

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

TABLE OF CONTENTS,

BUILDINGS AND ROADS,

FOR THE MONTH OF AUGUST 1897.

1 Subjects.	2 Numbers and dates of Proceedings.	3 Date of Report to Secretary of State for India.	4 Numbers and Dates of previous Proceedings.
Taluk office at Narsapur.—Estimate of Rupees 8,200 for improvements to the — in the Gódávari district, sanctioned with remarks.	1897. 2nd Aug., No. 2099 W.	...	17th July 1897, No. 3234 C. 16th June 1897, No. 2896 C. 7th Sept. 1896, No. 2605 W. 31st May 1897, No. 2712 C. 25th Sept. 1896, No. 2748 W. 7th Sept. 1896, No. 2605 W. 7th Sept. 1895, No. 2700 C. 5th Sept. 1895, No. 2681 C. 23rd May 1895, No. 1242 W.
Stores.—Copies of the list of Public Works — available for transfer in this Presidency, ordered to be circulated to Superintending Engineers and to other Governments and Administrations.	2nd Aug., No. 2100 W.	...	1st Oct. 1896, No. 2826 W. 1st Oct. 1896, No. 2825 W.
Circulated	2nd Aug., No. 2101 W.	...	......
Culvert under the Willow bund.—Revised estimate of Rs. 3,430 for constructing a — in connection with the Ootacamund Drainage Scheme, sanctioned with remarks.	2nd Aug., No. 2102 W.	...	11th June 1897, No. 1587 W. 24th March 1897, No. 1700 C. 6th March 1897, No. 662 W. 3rd March 1897, No. 1223 C. 23rd July 1897, No. 1072 C.

1 Subjects.	2 Numbers and Dates of Proceedings.	3 Date of Report to Secretary of State for India.	4 Numbers and Dates of previous Proceedings.
			(*Continued*). 8th Feb. 1897, No. 378 W. 11th Nov. 1896, No. 3214 W. 9th Nov. 1896, No. 3977 C. 10th Feb. 1896, No. 512 W. & file.
Famine wages.—Proceedings, Revenue Department, cancelling certain instructions issued in G.O., No. 216, Revenue, dated 30th March 1897, on the subject of — and the restrictions placed on fining for short work, and directing that the gratuitous relief ration prescribed in section 122 be replaced by the minimum or D wage ration in section 120 of the Famine Code, communicated to officers of the Public Works Department for guidance.	1897. 3rd Aug., No. 2107 W.	...	......
Restriction of expenditure.—Government of India telegram withdrawing the orders regarding — on Provincial and Local Fund Works and stating that orders regarding Imperial Expenditure will follow, communicated to the officers concerned.	3rd Aug., No. 2121 W.	...	28th June 1897, No. 1712 W.
Road.—Estimate of Rs. 15,560 for constructing a — from the 11th mile on the Bellary-Moka road to Karichedu *viâ* Gotur in the Bellary district, sanctioned on the understanding that the work will not be undertaken unless it is really needed as a famine-relief work.	4th Aug., No. 2129 W.	...	15th July 1897, No. 3214 C.
Central Jail, Cannanore.—Supplemental estimate of Rs. 1,050 for strengthening the ventilators in the latrines of the —, sanctioned.	4th Aug., No. 2130 W.	...	5th March 1897, No. 627 W.
Tekkali-Anantagiri road.—Revised estimate of Rs. 29,500 for constructing masonry works on the — in the Ganjám district, sanctioned.	4th Aug., No. 2131 W.	...	11th June 1897, No. 2851 C. 24th Feb. 1896, No. 675 W. 9th April 1894, No. 965 W. 11th April 1892, No. 352, Rev. 31st July 1890, No. 2076 W.
Incomplete works.—Referring, for consideration in the Financial Department, the question of providing the requisite funds under Excluded Local Port funds for — of 1896-97 and for new works proposed to be undertaken in the current official year.	4th Aug., No. 2132 W.	...	......

1 Subjects.	2 Numbers and Dates of Proceedings.	3 Date of Report to Secretary of State for India.	4 Numbers and Dates of previous Proceedings.
Sub-Registrar's office at Tiruppattúr.—Estimate of Rs. 3,360 for constructing a — in Salem district, sanctioned for execution when funds are available.	1897. 4th Aug., No. 2133 W.	...	7th July 1897, No. 3104 C. 6th March 1897, No. 645 W. 13th May 1891, No. 1320 W.
Establishment.—Sanctioning with remarks the — required for the IV Circle during 1897–98 as detailed in statement submitted by the Superintending Engineer.	4th Aug., No. 2134 W.	...	14th June 1897, No. 2865 C. 26th May 1897, No. 1409 W. 10th Aug. 1896, No. 2287 W. 3rd July 1896, No. 1958 W. 28th July 1896, No. 217 W.
Paddle boat.—Allotting a sum of Rs. 760 to the Lighthouse division to meet the cost of the —, an estimate for which was sanctioned in G.O., No. 990 W., dated 7th April 1897.	4th Aug., No. 2135 W.	...	15th June 1897, No. 1642 W. 6th May 1897, No. 1175 W. 7th April 1897, No. 992 W. 7th April 1897, No. 990 W. 23rd Feb. 1897, No. 1091 C. 3rd March 1897, No. 190 M. 1st Feb. 1896, No. 60 M.
District Jail at Bellary.—Estimate of Rs. 3,760 for re-roofing, with Mangalore tiles, certain buildings attached to the —, sanctioned for execution when funds are available.	4th Aug., No. 2136 W.	...	......
Indents for Stores.—Endorsement in the Financial Department, transferring despatch from the Secretary of State, stating that he has sanctioned compliance with certain —, communicated to officers concerned.	4th Aug., No. 2137 W.	...	3rd March 1897, No. 595 W. 3rd March 1897, No. 594 W. 26th Feb. 1897, No. 561 W. 26th Feb. 1897, No. 560 W. 26th Feb. 1897, Nos. 558–59 W. 23rd Feb. 1897, Nos. 524–25 W.
Sub-Registrar's office.—Estimate of Rs. 1,640 for converting the old police hospital at Tirukkóyilúr in the South Arcot district into a —, sanctioned in lieu of the estimate of Rs. 3,440 sanctioned in G.O., No. 308 W., dated 7th February 1895.	4th Aug., No. 2138 W.	...	1st May 1897, No. 1139 W. 25th Feb. 1897, No. 540 W. 19th Dec. 1896, No. 3666 W. 7th Feb. 1895, No. 308 W. 3rd Oct. 1894, No. 2460 W. 24th Oct. 1893, No. 2694 W.

1 Subjects.	2 Numbers and Dates of Proceedings.	3 Date of Report to Secretary of State for India.	4 Numbers and Dates of previous Proceedings.
Central and District Jails at Coimbatore.—Estimate of Rs. 4,150 for strengthening with iron straps, the frames of the doors and windows in the —, sanctioned for execution when funds are available.	1897. 4th Aug., No. 2139 W.	...	14th March 1896, No. 923 W.
Government House and Subsidiary buildings at Ootacamund.—Estimate amounting to Rupees 8,370 for improvements to —, sanctioned for immediate execution, and the Superintending Engineer, IV Circle, directed to propose a re-appropriation of funds to meet the cost of the work.	6th Aug., No. 2141 W.	...	19th Feb. 1897, No. 990 C. 9th Feb. 1897, No. 824 C.
Officers' Mess house at Malappuram.—Stating, with remarks, that the reduced rate of rent for the — will be levied in accordance with the terms of Government of India letter No. 3144 M.W., dated 12th November 1896, from 1st January 1897.	6th Aug., No. 2142 W.	...	12th July 1897, No. 3164 C. 28th May 1897, No. 2689 C. 12th May 1897, No. 2450 C. 8th Sept. 1896, No. 2611 W.
Lighthouse division.—The formation of a sub-division in connection with the — from 1st May 1897 with the usual sub-division allowance, sanctioned.	6th Aug., No. 2143 W.	...	8th March 1897, No. 670 W. 16th Jan. 1897, No. 133 W. 27th July 1896, No. 2156 W.
Post and Telegraph office.—Letter from the Superintendent of Telegraphs, East Coast division, reporting that a third-class combined — was opened at Koraput in the Vizagapatam district on the 18th June 1897, recorded.	6th Aug., No. 2144 W.	...	......
Relief works.—Proceedings, Revenue Department, recording Proceedings of the Board of Revenue (Revenue Settlement, &c.,) submitting with remarks, notes of inspection of Guzuvaka and Kondakorla — by the Superintending Engineer, I Circle, and expressing the opinion that it is the duty of Public Works officers to bring to notice any shortcomings they may find in the administration of relief works, communicated to the Superintending Engineer for information.	6th Aug., No. 2145 W.	...	25th May 1897, No. 323 D. & file.
Camp equipage.—Proceedings, Financial Department, stating that the daily allowance claimed by M.R.Ry. V. Manickam Nayakar, Apprentice Engineer, Erode, for March 1897 is admissible and drawing the attention of departments of the Secretariat and of all heads of departments to the definition of the term "Camp Equipage" in article 21 of the Civil Service Regulations, communicated to the Superintending Engineer, IV Circle, and to all other officers of the department, for information and guidance.	6th Aug., No. 2159 W.	...	13th July 1897, No. 801 I. 10th July 1897, No. 768 D. 3rd June 1897, No. 425 D.

1 Subjects.	2 Numbers and Dates of Proceedings.	3 Date of Report to Secretary of State for India.	4 Numbers and Dates of Previous Proceedings.
Remuneration.—Authorising Mr. F. J. Wilson, Executive Engineer, Public Works Department, to undertake the duties specified by the Harbour Trust Board, and, with the sanction of the Government of India, to accept the — offered.	1897. 7th Aug., No. 2167 W.	...	11th June 1897, Nos. 1590–91 W. 14th May 1897, No. 338 E. 14th April 1897, No. 278 E. 26th June 1896, No. 464, Mar.
Road Works in the North Arcot District.—Sanctioning, with remarks, certain estimates for — under "33. Famine Relief," Local.	9th Aug., No. 2178 W.	...	......
Oil Gas Apparatus.—Letter from the Director-General of Stores enclosing copy of a contract entered into with Messrs. Mansfield & Sons for the supply of an — for the Chemical Laboratory of the Presidency College, and requesting that when communications have passed in India between indenting officers and Agents of firms in England a complete copy of the correspondence may be sent Home with the demands, communicated to the Consulting Architect and to all officers of the department for guidance.	9th Aug., No. 2186 W.	...	No. 1746 W. & file.
Subordinates of the Salt Department.—The temporary transfer to the Public Works Department in the Vizagapatam Division of certain — for famine duty, sanctioned in the terms of the Examiner's note.	10th Aug., No. 2196 W.	...	26th July 1897, No. 3327 W.
Establishment.—Sanctioning the employment in the III Circle of the additional temporary — applied for by the Superintending Engineer, and trusting that with the aid of this establishment every effort will be made to remove the arrears and irregularities into which the initial accounts of famine work have been allowed to drift.	11th Aug., No. 2203 W.	...	28th April 1897, No. 1099 W. 28th July 1897, No. 965 W.
Transit pay and Travelling Allowance.—Authorizing the Examiner to pass — to clerk Muttukrishna Mudaliyar transferred from the Buckingham Canal Division to the III Circle, and granting the general sanction, so long as famine lasts, to the payment of —, applied for by the Superintending Engineer.	11th Aug., No. 2204 W.	...	28th July 1897, No. 3362 C. 19th June 1897, No. 587 D.
Telephonic Communication.—Endorsement from the Superintendent of Telegraphs, Madras Division, intimating that the revised annual charges for the — between the Cauvery Grand Anicut, near Trichinopoly, and the Executive Engineer's office at Tanjore will be Rs. 1,222–8–0 with effect from 1st July 1897, communicated to officers concerned.	11th Aug., No. 2208 W.	...	3rd June 1896, No. 1658 W. 29th April 1896, No. 1362 W. 19th March 1896, No. 979 W. 11th Feb. 1896, No. 517 W.

1 Subjects.	2 Numbers and Dates of Proceedings.	3 Date of Report to Secretary of State for India.	4 Numbers and Dates of previous Proceedings.
Expenditure.—Government of India letter stating that the orders issued in Public Works Department telegram, No 106-A.G., dated 19th June 1897, restricting — in all branches of the Public Works Department do not apply to Imperial Military Works, communicated to the officers concerned.	1897. 13th Aug., No. 2220 W.	...	7th Aug. 1897, No. 2164 W. 3rd Aug. 1897, No. 2121 W. 23rd July 1897, No. 1986 W. 28th June 1897, No. 1712 W. 20th July 1897, No. 868 W.
Jetties at Cocanada.—Observing that the Superintending Engineer's report of April last on the work done to the — is satisfactory and encouraging, and approving, with remarks, that officer's proposal to stop the extension of the jetties for the present.	14th Aug., No. 2221 W.	...	......
Travelling Allowance.—Endorsement from the Examiner forwarding copy of a circular from the Accountant-General, Public Works Department, regarding the inadmissibility of — for journeys undertaken to obtain a medical certificate of fitness for the Indian Army Reserve of officers, communicated to officers of the Public Works Department.	14th Aug., No. 2222 W.	...	......
Burma Engineer establishment.—Government of India resolution regarding the transfer of the — from the local administration list under the Government of India to a separate Provincial list and the fixing of cadre numbers and limiting scales for the Burma and local administration lists, communicated to the Examiner of Public Works Accounts.	14th Aug., No. 2223 W.	...	16th March 1897, No. 967 W. 28th Feb. 1896, No. 731 W. 16th March 1895, Nos. 639–40 W. 13th Oct. 1893, No. 2604 W.
Sub-Registrar's office at Valoppadi.—Estimate of Rs. 2,800 for constructing a — in the Salem district, sanctioned for execution when funds are available.	16th Aug., No. 2228 W.	...	6th Nov. 1896, No. 3173 W. 21st Oct. 1896, No. 3618 C. 24th Aug. 1895, No. 2115 W.
Executive Engineer's Quarters at Duggirala.—The proposal that the transfer of the — to the Forest Department be cancelled, and that the building be kept on the books of the Public Works Department as a rest-house for all departments of Government, sanctioned as recommended by the Superintending Engineer.	16th Aug., No. 2229 W.	...	1st June 1897, No. 2740 C. 8th May 1897, No. 2415 C. 23rd May 1897, No. 1592 W. 6th Feb. 1896, No. 665 C. 19th Oct. 1895, Nos. 2584–85 W. 29th May 1877, No. 157 W.
Road.—Revised estimate of Rs. 11,653 for gravelling the — from Pulivela to Mukkamala in the Gódávari district, sanctioned.	16th Aug., No. 2231 W.	...	19th Dec. 1885, No. 3076 W.

1 Subjects.	2 Numbers and Dates of Proceedings.	3 Date of Report to Secretary of State for India.	4 Numbers and Dates of previous Proceedings.
Drainage.—Estimate of Rs. 6,250 for the — of Solyappa Mudaly Street, Kumbakónam, sanctioned for execution by the Public Works Department.	1897. 16th Aug., No. 2232 W.	...	30th June 1897, No. 3011 C. 21st April 1897, No. 2214 C. 26th March 1897, No. 1749 C. 19th Dec. 1896, No. 4994 C. 3rd Aug. 1896, No. 3002 C. 16th July 1896, No. 2060 W.
Outfall main drain near Fort St. George.—Sanctioning the lump sum estimate of Rs. 9,000 for extending the —, Madras.	16th Aug., No. 2233 W.	...	29th April 1897, No. 1109 W.
Building in the Chingleput Fort.—Estimate of Rs. 8,243 being the value of the —purchased for use as certain public offices, sanctioned.	16th Aug., No. 2234 W.	...	14th June 1897, No. 1628 W. 29th March 1897, No. 891 W. 23rd Jan. 1896, No. 273 W. 10th July 1895, No. 1691 W.
Palghat Fort.—Proceedings, Revenue Department, concurring in the opinion of the Board of Revenue that the repairs connected with the — should be entrusted to the Public Works Department instead of being carried out as heretofore by the Revenue Department, communicated to Superintending Engineer, IV Circle, with direction to assume charge of the maintenance of the fort.	16th Aug., No. 2235 W.	...	19th March 1897, No. 1584 C.
Instruction of Junior Civilians and Probationary Deputy Collectors in Plandrawing and Estimating.—Approving the rules for the — in Executive Engineers' offices, amended as suggested by the Board of Revenue and circulating them to officers concerned for guidance.	17th Aug., No. 2256 W.	...	21st July 1897, No. 3267 C. 17th March 1897, No. 1528 C. 6th Feb. 1897, No. 757 C. 21st Nov. 1896, No. 3344 W. 1st July 1897, No. 677 D. 14th June 1897, No. 527 D. 8th Dec. 1894, No. 3970 C. 27th Nov. 1894, No. 3802 C. 16th Nov. 1894, No. 3638 C. 18th Oct. 1894, No. 3165 C.

1 Subjects.	2 Numbers and Dates of Proceedings.	3 Date of Report to Secretary of State for India.	4 Numbers and Dates of previous Proceedings.
Local purchase of European stores.—Sanctioning the — required for use in Kistna Northern division, remarking that as regards repairs to floating plant at any rate the requirements should have been foreseen in time to have procured English stores by indent on the Home Government and requesting the Chief Engineer for Irrigation to submit his opinion in regard to the advisableness of locally purchasing the iron required for providing falling shutters to the Kistna anicut.	1897. 18th Aug., No. 2265 W.	...	16th June 1897, No. 2906 C. 3rd May 1897, No. 1143 W. 3rd May 1897, No. 1142 W. 12th March 1897, No. 724 W. 21st Nov. 1896, No. 3345 W.
The Nilgiri Volunteer Rifles.—Directing, with remarks, that the boundaries approved by the Collector for the Sergeant-Major's quarters, the sale of which to — was sanctioned in G.O., No. 652 W., dated 6th March 1897, be adhered to, and concurring in the views of the Executive Engineer on the subject of the grant of an entrance from the armoury into the jailyard.	18th Aug., No. 2269 W.	...	6th March 1897, No. 652 W.
The Building in the Tellicherry Fort occupied by the Sub-Collector's office.—The transfer of the portion of — to the Salt, Abkári and Customs Department, sanctioned.	20th Aug., No. 2283 W.	...	8th July 1897, No. 3131 C. 16th July 1896, No. 2067 W. 21st May 1896, No. 1563 W. 2nd May 1896, No. 2141 C. 27th April 1896, No. 1313 W. 13th Feb. 1895, No. 367 W.
Tuticorin port improvements.—Calling for the opinion of the Collector on the remarks of the Agent, South Indian Railway, as to the site selected for the shed for examination of passengers' baggage at Tuticorin, leaving the question of the best position for Railway sidings and turntable to the decision of the officers of the Railway, and directing the Superintending Engineer to submit a detailed estimate of the cost of fencing the foreshore.	20th Aug., No. 2284 W.	...	19th July 1897, No. 642 M. 25th May 1897, No. 2634 C. 18th March 1897, No. 797 W. 9th Feb. 1897, No. 395 W.
Old Taluk office at Bápatla.—The transfer of the — in the Kistna Western division to the Forest Department, sanctioned.	20th Aug., No. 2285 W.	...	9th Jan. 1896, No. 63 W. 6th Nov. 1895, No. 1493 C. 13th Feb. 1895, No. 558 C. 15th Jan. 1895, No. 85 W. 9th April 1891, No. 1000 W.

1 Subjects.	2 Numbers and Dates of Proceedings.	3 Date of Report to Secretary of State for India.	4 Numbers and Dates of previous Proceedings.
Protestant Cemetery at Pallavaram.—Supplemental estimate of Rs. 360 for providing an iron gate to the entrance of the — in Chingleput district, sanctioned with remarks.	1897. 20th Aug., No. 2286 W.	...	......
Exchange Compensation Allowance.— Government of India letter requesting the early submission of certain lists showing the appointments in which European qualifications are held to be indispensable in connection with the new rules for the grant of —, communicated to officers of the Public Works Department for submission of the lists.	20th Aug., No 2288 W.	...	......
Imprest.—Government of India letter stating that where an — of the prescribed limit of Rs. 1,000 is found to be insufficient, the disburser should be furnished with a cash book and supplied by the Executive Engineer with such funds as may from time to time be required, communicated to Superintending Engineer, III Circle, with reference to G.O., No. 1953 W., dated 19th July 1897, and to other officers of the department for guidance.	20th Aug., No. 2289 W.	...	......
Honorary Commissioned Warrant and Non-Commissioned officers.—Government of India resolution cancelling the orders transferring the Burma — from the Bengal to the Madras unattached list, communicated to officers of the Public Works Department in supersession of G.O., No. 1074 W., dated 25th March 1896, and the Examiner ordered to carry out the necessary alterations in the next issue of the classified list.	24th Aug., No. 2324 W.	...	27th May 1897, No. $\frac{1435}{A}$ W. 22nd March 1897, No. 828 W. 21st Dec. 1896, Nos. 3676–77 W. 5th Nov. 1896, Nos. 3158–59 W. 25th Aug. 1896, No. 2461 W. 17th June 1896, No. 1795 W. 25th March 1896, No. 1074 W. 9th Jan. 1896, Nos. 74–75 W. 10th May 1895, No. 1116 W. 24th April 1895, No. 966 W. 15th Nov. 1893, No. 2946 W.
Mr. G. S. T. Harris.—Communicating to — and to the Examiner the orders of the Government of India on certain questions connected with his appointment as Consulting Architect, directing that that Government be requested to transfer him permanently to the Madras list; and recommending the grant of a local allowance of Rs. 100 to that officer while holding the post of Consulting Architect with the rank of Executive Engineer.	24th Aug., No. 2325 W.	...	25th May 1897, Nos. 1380–81 W. 13th April 1897, No. 2126 C. 2nd April 1897, No. 1901 C. 9th Feb. 1897, No. 393 W. 14th Dec. 1896, Nos. 3596–97 W.

1 Subjects.	2 Numbers and Dates of Proceedings.	3 Date of Report to Secretary of State for India.	4 Numbers and Dates of previous Proceedings.
			(*Continued*). 2nd Nov. 1896, No. 3133 W. 4th Dec. 1896, No. 4599 C. 3rd Oct. 1896, No. 1483 C. 30th Oct. 1896, No. 2854 W. 10th Aug. 1896, Nos. 2278–79 W.
The Government of India addressed ...	1897. 24th Aug., No. 2326 W.	...	......
Road.—Estimate of Rs. 17,660 for forming a—from Nandavaram *viâ* Chilkaldona and Boodoor to join the 65th mile of the Madhavaram road in the Bellary district, sanctioned under " 33, Famine relief."	24th Aug., No. 2339 W.	...	......
Protection of buildings from lightning.—Letter from the Secretary, Public Works Department, India Office, regarding the system adopted in the Trinity House service for the — and on the subject of Mr. Ashpitel being allowed to communicate direct with manufacturers at home in regard to details of design and construction of apparatus for lighthouse purposes, communicated, with remarks, to officers concerned for guidance.	24th Aug., No. 2340 W.	...	23rd April 1897, No. 3, Mar. 25th Aug. 1896, Nos. 418–19 E. 19th Aug. 1896, No. 405 E. 5th Aug. 1896, No. 387 E. 23rd May 1896, No. 281 E. 15th May 1896, No. 263 E. 8th April 1896, Despatch to Secretary of State No. $\frac{3}{245}$, Marine. 8th April 1896, No. 245.
Men engaged temporarily for famine duty.—Authorising the adoption of the procedure suggested by the Examiner in connection with the audit in regard to temporary establishments engaged in famine divisions, and directing that the — should be given clearly to understand that they will not be entitled to claim a month's notice of discharge.	25th Aug., No. 2353 W.	...	26th July 1897, No. 3316 C. 8th July 1897, No. 1842 W. 19th May 1897, No. 1315 W.
Famine establishment.—Passing orders in regard to the information to be furnished in the weekly lists, submitted to Government under paragraph 194 of the Famine Code, of subordinate appointments made in divisions in which relief works are in charge of the Public Works Department, and directing the Examiner to finally pass the pay of all temporary establishments included in lists hitherto approved by Government.	25th Aug., No. 2354 W.	...	26th July 1897, No. 3322 C. 17th July 1897, No. 851 D. 9th June 1897, No. 2801 C. 26th Mar. 1897, No. 876 W. 24th March 1897, No. 854 W. 26th Feb. 1897, No. 1178 C.

1 Subjects.	2 Numbers and Dates of Proceedings.	3 Date of report to Secretary of State for India.	4 Numbers and Dates of previous Proceedings.
			(*Continued*). 20th Jan. 1897, No. 341 C. 1st Dec. 1896, No. 3427 W.
Residence for the Government Astronomer at Kodaikanal.—Estimate of Rs. 19,663 for constructing a — in the Madura district, sanctioned with remarks.	1897. 25th Aug, No. 2355 W.	...	16th July 1897, Nos. 824-25 D. 26th June 1897, No. 623 D. 5th June 1897, No. 2776 C. 2nd March 1897, No. 587 W. 5th Feb. 1897, Nos. 360-61 W. 10th Dec. 1896, No. 4786 C. 17th Oct. 1896, No. 2950 W. 10th Aug. 1896, No. 1030 D. 30th July 1896, No. 915 D. 4th Aug. 1896, No. 969 D.
Water-supply schemes.—Memorandum from the Local and Municipal Department requesting the Public Works Department to furnish, on completion of the works, plans showing the main lines of the water pipes which are to be supplied at an early date in towns in which — are either now in progress or will in future be undertaken, communicated to Superintending Engineers for guidance.	25th Aug., No. 2356 W.	...	......
Funds.—Sanctioning, with remarks, a re-appropriation of — for works in I Circle.	26th Aug., No. 2370 W.	...	23rd July 1897, No. 1986 W. 14th July 1897, No. 3196 C. 20th May 1897, No. 1330 W. 7th Feb. 1895, No. 308 W.
Portland cement.—The proposals of the Chief Engineer for Irrigation in view to a more extended use of locally manufactured — in the department being introduced, approved with remarks, and the Superintending Engineer, V Circle, directed to submit an estimate of the cost of constructing at the Public Works Stores a testing house with apparatus complete.	27th Aug., No. 2380 W.	...	7th Aug. 1897, No. 1054 D. 18th June 1897, No. 2922 C. 19th Dec. 1896, Nos. 3658-59 W. 10th Sept. 1896, Nos. 2621-22 W. 26th Aug. 1896, No. 3179 C. 28th July 1896, No. 607 I. 4th July 1896, No. 1980 W.

1 Subjects.	2 Numbers and Dates of Proceedings.	3 Date of Report to Secretary of State for India.	4 Numbers and Dates of previous Proceedings.
Old European Jail at Ootacamund.—Permitting the Nilgiri Volunteer Rifles, as a temporary measure, to retain the portion of the — now occupied by the Armourer on payment of rent at Rs. 8 per mensem from 1st August 1897 and stating that the Corps must be prepared to vacate them on a month's notice.	1897. 27th Aug. No. 2386 W.	...	24th July 1897, No. 919 D.
Verification of Cantonment boundaries.—Letter from the Deputy Adjutant-General, Madras Command, forwarding copy of a letter from the Quartermaster-General in India with regard to the — and the preparation of copies of cantonment plans in the Madras Command, communicated to Superintending Engineers concerned for guidance, and the Superintendent, Government Press, directed to furnish the Deputy Adjutant-General with copies of certain notification after publication in the Gazette.	27th Aug. No. 2387 W.	...	19th May 1897, No. 1300 W.
Indent.—Ordered that an — for a Stoney's sluice and other stores emergently required for the head works of the Periyár project, be forwarded to the Home Government for early compliance.	30th Aug., No. 2394 W.	...	10th Aug. 1897, No. 3469 C. 16th July 1897, No. 658 I.
Despatch to the Secretary of State ...	30th Aug., No. $\frac{22}{2394\ W.}$	...	......
Funds.—Allotting, with remarks, a sum of Rs. 240 to meet the cost of the boxes for storage of pouch ammunition supplied to the Regiment at Quilon and informing officers of the department that the supply of these boxes devolves on the Ordnance Department and that G.O., No. 3423 W., dated 26th October 1888, is still in force.	30th Aug., No. 2395 W.	...	27th July 1897, No. 950 D. 5th July 1897, No. 715 D. 17th June 1897, No. 558 D. 19th May 1897, No. 2565 C. 3rd Dec. 1888, No. 3804 W. 26th July 1888, No. 2275 W. 26th Oct. 1888, No. 3423 W. 3rd Dec. 1888, No. 3801 W. 7th June 1888, No. 1675 W. 24th March 1888, No. 968 W.
Famine-relief works.—Sanctioning certain estimates for road works for — in the Trichinopoly district on the understanding that they will be put in hand only in the event of famine occurring in the district.	30th Aug., No. 2396 W.	...	......

1 Subjects.	2 Numbers and Dates of Proceedings.	3 Date of Report to Secretary of State for India.	4 Numbers and Dates of previous Proceedings.
Remissions of rent.—Government of India letter sanctioning the remission of rent for certain official residences for the periods they were rendered uninhabitable by reason of extensive repairs being in progress and stating that — under similar circumstances may be made by the Government of Madras, communicated to Superintending Engineers, III and IV Circles, and to other officers of the Public Works Department for guidance.	1897. 30th Aug., No. 2400 W.	...	21st July 1897, Nos. 1972–73 W. 9th June 1897, No. 2798 C. 23rd March 1895, Nos. 725–26 W. 1st Nov. 1894, No. 2776 W.
Outlay in excess of appropriation.—Directing that the view of the Examiner, concurred in by Government that — of Rs. 500 and less under funds other than Imperial and Provincial noticed after the close of the official year need not be reported for sanction of Government and that only excesses of over Rs. 500 should be treated as objectionable, be adhered to in future.	31st Aug., No. 2407 W.	...	15th June 1897, No. 2879 C. 5th Sept. 1894, No. 2206 W.

BUILDINGS AND ROADS.
CIVIL WORKS.

Government {1897} of Madras.

PUBLIC WORKS.

Recd. } 1897. *Enclosures*

Regd. *Spare copies*

G.O., No. 2099 W., 2nd August 1897.

AUGUST.

Taluk Office at Narasapur

Estimate of Rs. 8,200 for improvements to the — in the Gódávari district, sanctioned with remarks.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

Read—the following papers :—

G.O., Mis. No. 3336, Revenue, dated 2nd July 1897.

Read—the following Proceedings of the Board of Revenue (Land Revenue), Mis. No. 2222, dated 17th June 1897 :—

Read—the following letter from V. A. BRODIE, Esq., Collector of Gódávari, to the Secretary to the Commissioners of Land Revenue, dated 7th June 1897, Dis. No. 1786 Ver. :—

I have the honour to submit herewith, duly countersigned, the plans and estimates for improvements to the Taluk office building at Narasapur received from the Superintending Engineer, I Circle, with reference to G.O., No. 2605 W., dated 7th September 1896, communicated with Board's Proceedings, Mis. No. 4566, dated 7th October 1896.

Resolution—Mis. No. 2222, dated 17th June 1897.

Submitted for the sanction of Government with reference to G.O., No. 2605 W., dated 7th September 1896, communicated in G.O., No. 3863, Revenue, dated 28th September 1896.

(True Copy and Extract.)

(Signed) N. S. BRODIE,
Acting Secretary.

Order—Mis. No. 3336, Revenue, dated 2nd July 1897.

Transferred to the Public Works Department for sanction.

(True Extract.)

(Signed) C. H. B. BURLTON,
for Acting Secretary to Government.

Note by the Chief Engineer, Public Works Department.

It is considered that the existing foundations, as shown by section C D, where the weight is distributed by stepping down the masonry on to a block of concrete which should not be less than 2 feet thick, are preferable, the soil being sandy, to solid blocks as proposed and which could not be laid as drawn without boarding up.

2. It is not stated whether the walls of the extension to the record-room will be bonded into the existing walls. If so, it will be important to weight the foundations and take levels to them, until they no longer settle, before commencing the superstructure.

3. It would seem a waste of money to paint teak doors and windows not exposed to the weather with three coats of Carson's paint. Wood-oiling should suffice in such cases.

4. The plan should be countersigned by the Collector before the work is put in hand.

26th July 1897. (Signed) D. McNEIL CAMPBELL, Colonel, R.E.,
Chief Engineer.

ORDER—No. 2099 W., dated 2nd August 1897.

The estimate amounting to Rs. 8,200 for improvements to the Taluk office at Narasapur, in the Gódávari district, is sanctioned.

2. Attention is drawn to the Chief Engineer's note recorded above.

3. A sum of Rs. 5,000 has been provided for the work in the current year's budget, but this amount will have to be withdrawn under the recent restrictive orders unless the sanction of the Government of India to the execution of the work be obtained. The Superintending Engineer will, therefore, expedite the report as to the urgency or otherwise of the work called for in memo. No. 3234 C., dated 17th July 1897, and will see that no expenditure is incurred until the execution of the work is authorized.

4. The sanction accorded in paragraph 1 of these Proceedings has been registered as Provincial No. 30 W. of 1897–98 and classified as Civil Buildings—Original Works.

(True Extract.)

(Signed) D. McNEIL CAMPBELL, Colonel, R.E.,
Secretary to Government.

To the Superintending Engineer, I Circle, with seventeen enclosures.
,, Examiner, Public Works Accounts.
,, Revenue Department.

GENERAL.
ACCOUNT.

Government {1897} of Madras.

PUBLIC WORKS.

Recd. } 1897. *Enclosures*

Regd. *Spare copies*

G.O., No. 2100 W., 2nd August 1897.

AUGUST.

Stores

Copies of the list of Public Works — available for transfer in this Presidency, ordered to be circulated to Superintending Engineers and to other Governments and Administrations.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

Read—the following paper :—

From Lieutenant-Colonel C. C. RAWSON, R.E., Superintending Engineer, V Circle, to the Chief Engineer, Public Works Department, dated Chepauk, 23rd July 1897, No. 272 W.

I have the honour to forward 120 copies each of—

(1) List of surplus stores in the Public Works Stores division corrected up to 30th April 1897.

(2) List of surplus tools and plant in the Public Works Stores corrected up to 30th April 1897 available for sale or for transfer.

2. Copies are being forwarded by me direct to all the Executive Engineers in the Presidency, to the Consulting Architect to Government and to the Executive Engineer, Lighthouse division.

Order—No. 2100 W., dated 2nd August 1897.

Copies of the list will be circulated to Superintending Engineers and to other Governments and Administrations.

[Here enter No. 2101 W., dated 2nd August 1897.]

(True Extract.)

(Signed) D. McNEIL CAMPBELL, Colonel, R.E.,
Secretary to Government.

To the Chief Engineer for Irrigation,
" the Consulting Engineer for Railways,
" Superintending Engineers,
" the Consulting Architect to Government,
" the Executive Engineer, Lighthouse division,
" the Superintendent of Stationery,
" the Chief Engineer, Madras Command, Military Works,
} with copies of the list.

GENERAL.
ACCOUNT.

Government {1897} of Madras.

PUBLIC WORKS.

Recd.	1897.	*Enclosures*	
Regd.		*Spare copies*	

Letter, No. 2101 W., 2nd August 1897.

AUGUST.

Stores

Forwarding a printed list of Public Works — available for transfer in this Presidency.

PUBLIC WORKS DEPARTMENT.

General.
Account.

Letter—from

The Hon'ble Colonel D. McNEIL CAMPBELL, R.E.,
Secretary to the Government of Madras,
Public Works Department.

To

The Secretaries to the Governments of Bombay, Bengal, the North-West Provinces and Oudh, the Punjab and Burma, Public Works Department.
„ Chief Commissioners, Central Provinces, Assam and Coorg.
„ Agents to the Governor-General for Central India, Rajputana and Baluchistan.
„ Superintendent of Port Blair, and Chief Commissioner, Andaman and Nicobar Islands.
„ Director-General of Telegraphs.
„ „ of Military Works.
„ „ of Railways.
„ Officer in Charge, Mathematical Instrument Office, Calcutta.

Sir,

With reference to Government of India Resolution, No. XI, Public Works, dated 20th December 1887, I am directed to forward a printed list of Public Works stores available for transfer in this Presidency.

I have the honour to be,
Sir,
Your most obedient servant,

(Signed) D. McNEIL CAMPBELL, Colonel, R.E.,
Secretary to Government.

Ootacamund,
2nd August 1897.

BUILDINGS AND ROADS.
CIVIL WORKS.

Government (1897) of Madras.

PUBLIC WORKS.

Recd. } 1897. *Enclosures*

Regd. *Spare copies*

G.O., No. 2102 W., 2nd August 1897.

AUGUST.

Culvert under the Willow bund

Revised estimate of Rs. 3,430 for constructing a — in connection with the Ootacamund drainage scheme, sanctioned with remarks.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

Read—the following paper:—

From J. HANNAN, Esq., Superintending Engineer, IV Circle, to the Chief Engineer, Public Works Department, dated Coimbatore, 24th June 1897, No. 340/W.

I have the honour to submit, for your approval and sanction, a revised plan and estimate amounting to Rs. 3,430 for constructing a culvert under Willow bund in connection with the Ootacamund drainage scheme.

The cause of excess, viz., Rs. 510, over the original estimate of Rs. 2,920 sanctioned in G.O., No. 378 W., dated 8th February 1897, is chiefly due to some modification in the design and to the change of materials to suit the locality as stated in the accompanying report and comparative statement.

The above excess will probably be met from savings on other estimates, as stated by the Executive Engineer, in the last paragraph of the report.

The original plan and estimate are also submitted for your information and return.

Order—No. 2102 W., dated 2nd August 1897.

The revised estimate amounting to Rs. 3,430, for constructing a culvert under the Willow bund in connection with the Ootacamund drainage scheme, is sanctioned in supersession of the estimate of Rs. 2,920 sanctioned in G.O., No. 107 M., dated 27th January 1897 (G.O., No. 378 W., dated 8th February 1897).

2. The Government hopes the saving of Rs. 625 on other estimates, anticipated by Mr. Somers-Eve, will be realized.

(True Extract.)

(Signed) D. McNEIL CAMPBELL, Colonel, R.E.,
Secretary to Government.

To the Superintending Engineer, IV Circle, with eight enclosures.
„ Examiner, Public Works Accounts.
„ Local and Municipal Department.

GENERAL.
ESTABLISHMENT.

Government (1897) of Madras.

PUBLIC WORKS.

Recd.	1897.	*Enclosures*
Regd.		*Spare copies*

G.O., No. 2107 W., 3rd August 1897.

AUGUST.

Famine Wages

Proceedings, Revenue Department, cancelling certain instructions issued in G.O., No. 216, Revenue, dated 30th March 1897, on the subject of — and the restrictions placed on fining for short work, and directing that the gratuitous relief ration prescribed in section 122 be replaced by the minimum or D wage ration in section 120 of the Famine Code, communicated to officers of the Public Works Department for guidance.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Establishment.

Read—the following paper:—

G.O., No. 616, Revenue, dated 24th July 1897.

Read—again G.O., No. 216, Revenue, dated 30th March 1897.

Order—No. 616, Revenue, dated 24th July 1897.

In paragraph 2 of the order again read above, the Government directed that all persons seeking employment on relief works should, until further orders, be placed in class A or class B. This direction contained in the last seventeen lines of the paragraph will now be cancelled. Relief workers should, in future, be classified in accordance with the provisions of section 96 of the Famine Code and will be paid the wages of their class as laid down in the Code. The Government is also of opinion that the permission given in the above paragraph to place the weakly in class C may be withdrawn now; these should, in future, be paid only the D wage. Collectors will, however, be authorized to make an allowance for fuel in addition to the wages and rations prescribed in section 120 for the four classes of labourers, wherever they consider such an allowance necessary.

2. The restrictions placed on fining for short work in paragraph 4 of the above order render it difficult for officers in charge of works to enforce discipline among the workers. As the instructions contained in the previous paragraph and in section 106 of the Code as last amended allow all the concessions necessary in the case of willing workers, it is unnecessary to maintain the above restrictions, and paragraph 4 of the order will also be cancelled. Late-comers will be dealt with as laid down in Appendix VI. Orders have already issued by telegraph to the Collectors of distressed districts and to the Famine Commissioner giving intimation of this decision.

3. The gratuitous relief ration prescribed in section 122 of the Code exceeds the ration in section 120 for D workers. As it is anomalous that persons on works should get less than those relieved gratuitously, the Government resolves to cancel the ration in section 122 and to substitute instead the minimum or D ration in section 120.

(True Extract.)

(Signed) G. STOKES,
Ag. Secretary to Government.

Order—No. 2107 W., dated 3rd August 1897.

Communicated to officers of the Public Works Department for guidance, in continuation of G.O., No. 1046 W., dated 14th April 1897.

(True Extract.)

(Signed) D. McNEIL CAMPBELL, Colonel, R.E.,
Secretary to Government.

To all Superintending Engineers.
" the Consulting Architect to Government.
" the Chief Engineer for Irrigation.

GENERAL.
ACCOUNT.

Government {1897} of Madras.

PUBLIC WORKS.

Recd. } 1897. *Enclosures*
Regd. } *Spare copies*

G.O., No. 2121 W., 3rd August 1897.

AUGUST.

Restriction of Expenditure

Government of India telegram withdrawing the orders regarding — on Provincial and Local Fund works and stating that orders regarding Imperial expenditure will follow, communicated to the officers concerned.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

Read—the following papers :—

Telegram from the Secretary to the Government of India, Public Works Department, to the Secretary to the Government of Madras, Public Works Department, dated Simla, 24th July 1897, No. 138 A.G.

. Orders issued in Public Works Department telegram 106 A.G., dated 19th June regarding restriction of expenditure withdrawn as regards Provincial and Local Fund works. Orders regarding Imperial expenditure will follow.

From A. R. BECHER, Esq., Officiating Deputy Secretary to the Government of India, Public Works Department (Account—General), to the Secretary to the Government of Madras, Public Works Department, dated Simla, 24th July 1897, No. 139 A.G.

In continuation of Public Works Department telegram No. 138 A.G., dated 24th July 1897, reproduced in the margin, withdrawing the orders regarding restriction of expenditure as regards works constructed from Provincial and Local funds, I am directed to explain that, although the present orders may be considered as actually removing the restriction of outlay from Provincial and Local funds, yet it is desirable that the withdrawals from treasury should, for the present, be kept as low as is consistent with adherence to the budget programme of expenditure.

Orders issued in Public Works Department telegram 106 A.G., dated 19th June, regarding restriction of expenditure withdrawn as regards Provincial and Local Fund works. Orders regarding Imperial expenditure will follow.

2. As regards Imperial expenditure orders will shortly follow.

Order—No. 2121 W., dated 3rd August 1897.

Communicated to the officers concerned with reference to G.Os., Nos. 1712 W. and 1986 W., dated 28th June and 23rd July 1897, respectively.

2. Orders regarding Imperial expenditure will be awaited.

(True Extract.)

(Signed) D. McNEIL CAMPBELL, Colonel, R.E.,
Secretary to Government.

To Superintending Engineers.
,, the Consulting Architect to Government.
,, the Examiner, Public Works Accounts.
,, the Chief Engineer for Irrigation.
,, the Consulting Engineer for Railways.
,, the Revenue Department.
,, the Financial Department.
,, the Public Department.
,, the Judicial Department.
,, the Ecclesiastical Department.
,, the Educational Department.
,, the Local and Municipal Department,
with copy of G.O., No. 1712 W., dated 28th June 1897.

BUILDINGS AND ROADS.
CIVIL WORKS.

Government {1897} of Madras.

PUBLIC WORKS.

Recd.	} 1897.	*Enclosures*	
Regd.		*Spare copies*	

G.O., No. 2129 W., 4th August 1897.

AUGUST.

Road

Estimate of Rs. 15,560 for constructing a — from the 11th mile on the Bellary-Moka road to Karichedu *viâ* Gotur in the Bellary district, sanctioned on the understanding that the work will not be undertaken unless it is really needed as a famine-relief work.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

Read—the following papers:—

Proceedings of the District Board, Bellary, dated 15th June 1897, No. 3.

* * * * *

Read—Local Fund Engineer's letter, No. 239, dated 26th May 1897, submitting an estimate for constructing a road from the 11th mile on the Bellary-Moka road to Karichedu *viâ* Gotur, for Rs. 18,135.

Resolution—Sanctioned.

(Signed) H. A. STUART,
President.

No. 302.

Submitted to Government with the estimate for favour of sanction, through the Superintending Engineer.

18th June 1897.

(Signed) J. T. LEVER,
for President.

No. 1863.

Forwarded to the Secretary to Government, Local and Municipal Department.

2. The estimate has been reduced in this office from Rs. 18,135 to Rs. 15,560, the difference being due to errors in calculation.

29th June 1897.

(Signed) W. B. deWINTON,
Supg. Engineer, III Circle.

No. 720, Local and Municipal.

Transferred to the Public Works Department.

3rd July 1897.

(Signed) G. S. FORBES,
Secretary to Government.

From W. B. DEWINTON, Esq., Superintending Engineer, III Circle, to the Chief Engineer, Public Works Department, dated Bellary, 21st July 1897, No. 2401 W.

With reference to your endorsement, No. 3214 C., dated the 15th instant (herewith returned with enclosures), I have the honour to resubmit herewith estimate for reconstructing road from the 11th mile on the Bellary-Moka road to Karichedu *viâ* Gotur, the countersignature of the Vice-President, District Board, having been duly obtained thereto.

ORDER—No. 2129 W., dated 4th August 1897.

The estimate amounting to Rs. 15,560, for constructing a road from the 11th mile on the Bellary-Moka road to Karichedu *viâ* Gotur in the Bellary district, is sanctioned under "33. Famine Relief," on the understanding that the work will not be undertaken unless it is really needed as a famine-relief work.

2. This sanction has been registered as Local No. 20 W. of 1897–98.

(True Extract.)

(Signed) D. McNEIL CAMPBELL, Colonel, R.E.,
Secretary to Government.

To the Superintending Engineer, III Circle,
with two enclosures.
„ Examiner, Public Works Accounts.
„ Local and Municipal Department.

BUILDINGS AND ROADS.
CIVIL WORKS.

Government {1897} of Madras.

PUBLIC WORKS.

Recd.	1897.	*Enclosures*
Regd.		*Spare copies*

G.O., No. 2130 W., 4th August 1897.

AUGUST.

Central Jail, Cannanore

Supplemental estimate of Rs. 1,050 for strengthening the ventilators in the latrines of the —, sanctioned.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

Read—the following papers :—

From J. HANNAN, Esq., Superintending Engineer, IV Circle, to the Chief Engineer, Public Works Department, dated 19th February 1897, No. 100/W.

I have the honour to submit, herewith, an estimate amounting to Rs. 1,050 for strengthening ventilators in the latrines, Central Jail, Cannanore, and request you will be good enough to obtain the sanction of Government to the same as supplemental to the estimate of Rs. 4,650 for sinking a well in the Central Jail at Cannanore sanctioned in G.O., No. 3520 W., dated 8th December 1896.

The above estimate of Rs. 1,050 was prepared at the request of the Inspector-General of Prisons, with reference to G.O., No. 923 W., dated 14th March 1896, and was sanctioned by me.

The Examiner of Public Works Accounts now insists that this estimate is to be treated as supplemental to the one sanctioned by Government, as both the estimates are in connection with the improvements to the same building.

Memorandum No. 1914 C., dated 3rd April 1897.
Letter from the Superintending Engineer, IV Circle, dated 5th May 1897, No. 244/W.
Memorandum No. 290 D., dated 21st May 1897.
Letter from the Inspector-General of Prisons, dated 27th May 1897, No. 1330 C.
Memorandum No. 424 D., dated 3rd June 1897.

From the Executive Engineer, West Coast Division, to the Superintending Engineer, IV Circle, dated 30th June 1897, No. 382 S.E.

In reply to your No. 291/W.C. of 7th June 1897, I have the honour to state that the estimate was prepared at the request of the Inspector-General of Jails in his No. 888 C. of 4th September 1896.

2. The ventilators are of two sizes 12″ × 6″ high, and the object of the insertion of the flat iron bars is to prevent the pulling out of the vertical iron bars and the cutting through of the wooden frames.

3. Having once displaced the wooden frame, it would be easy to knock out one or two stones and make the hole large enough to crawl through.

No. 364/W.

Copy submitted to the Chief Engineer, Public Works Department, with reference to his memo. No. 424 D., dated 3rd June 1897.

5th July 1897.

(Signed) J. HANNAN,
Superintending Engineer, IV Circle.

Order—No. 2130 W., dated 4th August 1897.

The estimate amounting to Rs. 1,050 for strengthening the ventilators in the latrines of the Central Jail, Cannanore, is sanctioned as supplemental to the estimate of Rs. 4,650 for sinking a well in the same jail sanctioned in G.O., No. 3520 W., dated 8th December 1896.

2. This sanction has been registered as Provincial No. 31 W. of 1897-98 and classified as Civil Buildings—Original Works.

(True Extract.)

(Signed) D. McNEIL CAMPBELL, Colonel, R.E.,
Secretary to Government.

To the Superintending Engineer, IV Circle, with four enclosures.
" Judicial Department.
" Examiner, Public Works Accounts.

BUILDINGS AND ROADS.
CIVIL WORKS.

Government (1897) of Madras.

PUBLIC WORKS.

Recd.	1897.	*Enclosures*	
Regd.		*Spare copies*	

G.O., No. 2131 W., 4th August 1897.

AUGUST.

Tekkali-Anantagiri Road

Revised estimate of Rs. 29,500 for constructing masonry works on the — in the Ganjám district, sanctioned.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following papers :—

From J. C. LARMINIE, Esq., M.I.C.E., Superintending Engineer, I Circle, to the Chief Engineer, Public Works Department, dated Waltair, 15th March 1897, No. 1221 G.N.

I have the honour to submit, herewith, a revised estimate amounting to Rs. 29,500 together with a comparative statement for constructing masonry works on the Tekkali-Anantagiri road in the Ganjám district, and to request that you will be so good as to obtain the sanction of Government to the same.

2. The original estimate amounting to Rs. 27,200 for the above work was sanctioned in G.O., No. 965 W., dated 9th April 1894.

3. The necessity for the revised estimate is explained in the comparative statements accompanying it, and the total excess over the original estimate requiring sanction is only Rs. 2,300.

4. The Executive Engineer has proposed in the revised estimate a culvert (A) of two 10-feet spans in place of the road dam 160 feet long, sanctioned in the original estimate, as the site is unfit for a road dam, and by this arrangement an excess outlay of Rs. 480 will be entailed; and with regard to the differences in the number of masonry works detailed in the comparative statement, I have herein enclosed a deviation statement received from the Executive Engineer, and this affords all necessary explanation.

Memorandum No. 2851 C., dated 11th June 1897.

From W. C. DEMORGAN, Esq., M.I.C.E., Executive Engineer, Ganjám division, to the Superintending Engineer, I Circle, dated Camp Haripur, 28th June 1897, No. 1124.

In returning the estimates which accompanied your No. 278 G.N., dated 18th June 1897, I have the honour to point out that the works are nearly all completed. Out of the revised estimate for Rs. 29,500, Rs. 27,900 were spent to the end of May and the balance Rs. 1,600 is nearly exhausted.

2. No hydraulic details were submitted with the estimate sanctioned under G.O., No. 965 W., dated 9th April 1894, and I submit that it will serve little purpose to prepare them now.

No. 323 G.N.

Copy submitted to the Chief Engineer, Public Works Department, with reference to his memo. No. 2851 C., dated 11th June 1897.

The revised estimate amounting to Rs. 29,500, for constructing masonry works on the Tekkali-Anantagiri road, is herewith resubmitted for favour of sanction.

(Signed) J. C. LARMINIE,
Superintending Engineer, I Circle.

6th July 1897.

Order—No. 2131 W., dated 4th August 1897.

The revised estimate, amounting to Rs. 29,500, for constructing masonry works on the Tekkali-Anantagiri road in the Ganjám district, is sanctioned in supersession of the estimate for Rs. 27,200, sanctioned in G.O., No. 965 W., dated 9th April 1894.

2. This sanction has been registered as Provincial No. 34 W. of 1897-98, and classified as Communications—Original Works.

(True Extract.)

(Signed) D. McNEIL CAMPBELL, Colonel, R.E.,
Secretary to Government.

To the Superintending Engineer, I Circle, with 58 enclosures.
" Examiner, Public Works Accounts.
" Local and Municipal Department.

GENERAL.
ACCOUNT.

Government (1897) of Madras.

PUBLIC WORKS.

Recd. 1897. *Enclosures*

Regd. *Spare copies*

G.O., No. 2132 W., 4th August 1897.

AUGUST.

Incomplete Works

Referring, for consideration in the Financial Department, the question of providing the requisite funds under Excluded Local, Port funds, for — of 1896–97 and for new works proposed to be undertaken in the current official year.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

Read—the following papers:—

From the Superintending Engineer,	I Circle, dated	5th June 1897,	No.	284 V.Z.
" " "	II " "	10th May "	"	—
" " "	IV " "	24th " "	"	278 W.
" " "	V " "	13th " "	"	71 W/C.
" " "	VI " "	31st " "	"	981 T.C.

Order—No. 2132 W., dated 4th August 1897.

The papers recorded above contain applications from the Superintending Engineers, I, II, IV, V and VI Circles, for allotments required under Excluded Local, Port funds, for incomplete works of 1896–97, and for new works proposed to be undertaken in the current official year. The demands, the details of which are given in the annexed statement, amount to Rs. 19,084 as shown below:—

	RS.
Works ...	16,273
Establishment ...	2,638
Tools and plant ...	173
Total ...	19,084

2. The question of providing the requisite funds will be considered in the Financial Department.

3. The statement submitted by the Superintending Engineer, VI Circle, does not show the amounts to be provided for the pier at Tuticorin on account of establishment and tools and plant charges. This information should be furnished as early as possible, and on its receipt a supplemental application will, if necessary, be made to the Financial Department.

(True Extract.)

(Signed) D. McNEIL CAMPBELL, Colonel, R.E.,
Secretary to Government.

To the Superintending Engineers, I, II, IV, V and VI Circles.
" Examiner, Public Works Accounts.
" Marine Department.
" Financial Department.

Accompaniment to G.O., No. 2132 *W., dated* 4*th August* 1897.

STATEMENT showing the allotments required for incomplete works of 1896–97 and for new works proposed to be undertaken under Excluded Local, Port Funds.

Division.	Item No.	Name of work.	Amount of estimate.	Number and date of sanction.	Past expenditure.	Balance of estimate.	Amount required: For work.	Amount required: For establishment.	Amount required: For tools and plant.	Amount required: Total.	Item No.	Remarks.
			RS.		RS.	RS.	RS.	RS.	RS.	RS.		
Vizagapatam ..	1	Extending the Lighthouse Superintendent's residence and providing quarters for three lightkeepers at Santopally.	2,234	G.O., No. 1685 W., dated 6th July 1894.	1,460	774	774	178	12	964	1	
Kistna Eastern ..	2	Demarcating the port of Vizagapatam ..	103	Sanctioned by Superintending Engineer.	23	80	80	19	1	100	2	
	3	Clearing out the drinking water tank at Divi lighthouse and constructing a low wall around the platform surrounding the Superintendent's quarters.	590	Do.	254	336	336	77	5	418	3	
West Coast ..	4	Constructing a residence for the port officer at Calicut.	18,160	G.O., No. 1045 W., dated 14th April 1897.	9,717	8,443	8,443	1,942	127	10,512	4	
	5	Providing iron davits on the north side of the Calicut pier for the use of the port boat.	350	Sanctioned by Superintending Engineer.	350	..	50 *	11	1	62	5	
	6	Extending groynes P. and O. on Vypean foreshore near Cruz milagre dam.	85	Do.	..	85	85	20	1	106	6	
	7	Constructing port boundary pillars at Calicut.	250	Do.	..	250	250	57	4	311	7	
	8	Emergent repairs to protect the Vypean foreshore near Cruz milagre dam, Cochin.	270	Do.	69	201	201	46	3	250	8	
Negapatam ..	9	Extending the groynes at the mouth of the Negapatam harbour.	1,270	Do.	1,212	58	70	16	1	87	9	Required for the adjustment of liabilities incurred on the work.
Tinnevelly ..	10	Constructing a new pier at Tuticorin and the reclamation of the foreshore at Tuticorin near the Government pier.	1,86,000	G.Os., No. 1805 W., dated 18th June 1896, and No. 2144 W., dated 22nd July 1896.	1,53,181	4,800	4,800	..	..	4,800	10	
	11	Protecting the T. head of the pier at Tuticorin.	2,500	Sanctioned by Superintending Engineer.	1,316	1,184	1,184	272	18	1,474	11	
		Total ..	..		..	..	16,273	2,638	173	19,084		

* As the actual cost of the davits obtained from Public Works Workshops has exceeded the estimated provision, the estimate will be exceeded.

BUILDINGS AND ROADS.
CIVIL WORKS.

Government (1897) of Madras.

PUBLIC WORKS.

Recd. } 1897. *Enclosures*

Regd. *Spare copies*

G.O., No. 2133 W., 4th August 1897.

AUGUST.

Sub-Registrar's Office at Tiruppattur

Estimate of Rs. 3,360 for constructing a — in Salem district, sanctioned for execution when funds are available.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following paper :—

G.O., No. 982, Judicial, dated 9th July 1897.

Read—the following letter from the Superintending Engineer, IV Circle, to the Inspector-General of Registration, dated 24th June 1897, No. 322/M :—

With reference to G.O., No. 645 W., dated 6th March 1897, I have the honour to forward, for your countersignature and transmission to Government for sanction and provision of funds, a plan and an estimate amounting to Rs. 3,360, for constructing a Sub-Registrar's office at Tiruppattúr in Salem district.

2. The estimate has been prepared on the standard design for larger office, approved of in G.O., No. 1320 W., dated 13th May 1891, as desired by you.

Endorsement of the Inspector-General of Registration, Madras, dated 1st July 1897, G. No. 3449.

Submitted for the sanction of Government.

2. The construction of an office building for the Sub-Registrar of Tiruppattúr, Salem district, was ordered in G.O., No. 208, Judicial, dated 11th February 1897.

Order—No. 982, Judicial, dated 9th July 1897.

The plans and estimate, aggregating Rs. 3,360, are approved and will be transferred to the Public Works Department for execution when funds are available.

(True Extract.)

(Signed) C. H. B. BURLTON,
for Chief Secretary.

ORDER—No. 2133 W., dated 4th August 1897.

The estimate amounting to Rs. 3,360, for constructing a Sub-Registrar's office at Tiruppattúr in the Salem district, is sanctioned for execution when funds are available.

2. This sanction has been registered as Provincial No. 35 W. of 1897–98, and classified as "Civil Buildings—Original Works."

(True Extract.)

(Signed) D. McNEIL CAMPBELL, Colonel, R.E.,
Secretary to Government.

To the Superintending Engineer, IV Circle, with six enclosures.
„ Examiner, Public Works Accounts.
„ Judicial Department.

GENERAL.
ESTABLISHMENT.

Government (1897) of Madras.

PUBLIC WORKS.

Recd. } 1897. Enclosures

Regd. } Spare copies

G.O., No. 2134 W., 4th August 1897.

AUGUST.

Establishment

Sanctioning with remarks the — required for the IV Circle during 1897–98 as detailed in statement submitted by the Superintending Engineer.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Establishment.

READ—the following papers :—

From J. HANNAN, Esq., Superintending Engineer, IV Circle, to the Chief Engineer, Public Works Department, dated 24th May 1897, No. 277/W.

In forwarding, herewith, a proposition statement of temporary establishment required in the circle for 1897-98, I have the honour to request you will be good enough to obtain the sanction of Government to the same.

ENCLOSURE.

STATEMENT of Proposition for Revision of Establishment.

Order sanctioning present establishment—Government of Madras, Public Works Department.		Office to which the proposition refers.	Nature of changes.														Proposition.						Remarks.
			Present scale.							Proposed scale.							Permanent.		Temporary.				
					Pay.							Pay.					Increase per month.	Decrease per month.	Increase per month.		Decrease per month.		
No.	Date.		No.	Designation.	Minimum.	Increment.	Maximum.	Average or fixed.	Total cost.	No.	Designation.	Minimum.	Increment.	Maximum.	Average or fixed.	Total cost.	Amount.	Amount.	Period.	Amount.	Period.	Amount.	
					RS.	RS.	RS.	RS.	RS.			RS.	RS.	RS.	RS.	RS.	RS.	RS.	MON.	RS.	MON.	RS.	
1409 W.	26th May 1897.	North Arcot division.	1	Sweeper	..	..	..	2		1	Sweeper	..		..	5		..	..	..	..	..	..	Proposition statement submitted with this office No. 229 W., dated 28th April 1897.
			1	Scavenger ..	..	..	..	½		1	Scavenger ..	..	..	..	½		..	..	..	..	..	..	
2176 W.	28th July 1896.	North Arcot division.	1	Clerk	..	..	..	20		1	Clerk	..	..	..	* 20		..	..	..	..	..	..	Sanctioned in G.O., No. 2176 W., dated 28th July 1896.
1790 W.	17th June 1896.	North Arcot division.	1	Draftsman ..	..	..	..	30	52½	1	Draftsman ..	..	..	..	* 30	55½	..	..	..	..	..	..	Sanctioned in G.O., No. 1790 W., dated 17th June 1896.
2287 W.	10th Aug. 1896.	Salem division.	1	Clerk	..	..	..	15	15	1	Clerk	..	..	..	15	15	..	..	..	..	..	..	Sanctioned in G.O., No. 2287 W., dated 10th August 1896.
				Kalingaroyen channel.							*Kalingaroyen channel.*												
			2	Water-registrars at Rs. 10 each.	..	..	..	20		2	Water-registrars ..	10	..	10	20		..	..	..	..	..	..	
			1	Superintendent ..	..	..	..	8		1	Superintendent ..	..	..	..	8		..	..	..	..	..	..	
			1	Do. ..	..	..	..	10		1	Do. ..	..	..	..	10	38	..	..	..	..	..	..	
				Thadapaly channel.							*Thadapally channel.*												
2688 W.	28th Oct. 1895.	Coimbatore division.	1	Water-registrar ..	..	..	..	10		1	Water-registrar ..	..	..	..	10		..	..	..	..	..	..	Sanctioned in G.O., No. 2688 W., dated 28th October 1895.
			1	Superintendent ..	..	..	..	10		1	Superintendent ..	..	..	..	10		..	..	..	..	..	..	
			2	Superintendents at Rs. 8 each.	..	..	..	16		2	Superintendents ..	8	..	8	16	36	..	..	..	..	..	..	
				Arakencottah channel.							*Arakencottah channel.*												
			1	Superintendent ..	..	..	..	8		1	Superintendent ..	..	..	..	8	8	..	..	..	..	..	..	
1680 W.	6th June 1896.	Do.	1	Sweeper ..	..	..	..	1	83	1	Sweeper ..	..	..	..	1	1	..	..	..	..	..	..	For Nilgiri sub-division.

1680 W.	6th June 1896.	West Coast division.	1	Do.	..	..	..	1		1	Do.	..	..	..	1		..	..	..	..	..	..	For Cannanore sub-division.
			1	Sweeper and scavenger.	..	..	..	3		1	Sweeper and scavenger.	..	..	..	3		..	..	..	..	..	..	For Divisional office.
			1	Sweeper .. .	..	..	..	1	5	1	Sweeper	..	..	..	1	5	..	..	..	..	..	..	For South Canara sub-division.
1680 W.	6th June 1896.	Superintending Engineer's office.	1	Do.	..	..	..	5	5	1	Do.	..	..	..	5	5	..	..	..	..	..	..	For sweeping Superintending and Executive Engineers' offices.
																163½							
				Total ..	..	..	..	..	160½	..		..	..	..	..	1,962	..	..	..	..	..	..	

* Continued employment is necessary as long as Tank Restoration Scheme works are in progress in the division.

Office-note from the Examiner, Public Works Accounts, dated Madras, 19th June 1897, No. 1965 D./E.

[Your office-note No. 2865 C., dated 14th June 1897.]

Returned with the remark that the column "Present scale" has been checked with the following result:—

(*a*) G.O., No. 1680 W., dated 6th June 1896, noted against North Arcot division, has been altered to G.O., No. 1409 W., dated 26th May 1897.

(*b*) The items omitted to be shown in column "Present scale" have been entered by this office in pencil.

Order—No. 2134 W., dated 4th August 1897.

The establishment required for the IV Circle during 1897–98 as detailed in the statement submitted by the Superintending Engineer, IV Circle, with his letter recorded above is sanctioned.

2. Attention is drawn to the correction and omissions in the column "Present scale" of the proposition statement pointed out by the Examiner of Public Works Accounts.

3. This sanction has been registered as Provincial No. 40 W. of 1897–98 and classified as Establishment—Temporary.

(True Extract.)

(Signed) D. McNEIL CAMPBELL, Colonel, R.E.,
Secretary to Government.

To the Superintending Engineer, IV Circle.
" Examiner, Public Works Accounts.

BUILDINGS AND ROADS.
CIVIL WORKS.

Government (1897) of Madras.

PUBLIC WORKS.

Recd. } 1897. *Enclosures*

Regd. *Spare copies*

G.O., No. 2135 W., 4th August 1897.

AUGUST.

Paddle Boat

Allotting a sum of Rs. 760 to the Lighthouse division to meet the cost of the —, an estimate for which was sanctioned in G.O., No. 990 W., dated 7th April 1897.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following paper :—

From Conductor C. SMITH, R.E., Officiating Executive Engineer, Lighthouse Division, to the Chief Engineer, Public Works Department, dated Madras, 16th July 1897, No. 501.

With reference to G.O., No. 990 W., dated 7th April 1897, sanctioning an estimate of Rs. 760 for constructing a paddle boat for use in this division, I have the honour to request that funds for the sanctioned amount may be provided as early as possible.

ORDER—No. 2135 W., dated 4th August 1897.

A sum of Rs. 760* is allotted to the Lighthouse division under tools and plant from the reserve with the Public Works Department under Excluded Local, Port Funds, to meet the cost of the paddle boat, an estimate for which was sanctioned in G.O., No. 990 W., dated 7th April 1897.

* Rs. 611 from the reserve under "works."
,, 140 do. under "establishment."
,, 9 do. under "tools and plant."

(True Extract.)

(Signed) D. McNEIL CAMPBELL, Colonel, R.E.,
Secretary to Government.

To the Executive Engineer, Lighthouse division.
,, Examiner, Public Works Accounts.
,, Marine Department.

BUILDINGS AND ROADS.
CIVIL WORKS.

Government {1897} of Madras.

PUBLIC WORKS.

Recd.	1897.	*Enclosures*
Regd.		*Spare copies*

G.O., No. 2136 W., 4th August 1897.

AUGUST.

District Jail at Bellary

Estimate of Rs. 3,760 for reroofing, with Mangalore tiles, certain buildings attached to the —, sanctioned for execution when funds are available.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

Read—the following papers :—

From A. G. CARDEW, Esq., M.A., Inspector-General of Prisons, to the Chief Secretary to Government, dated Camp Madras, 18th May 1897, No. 1216 C.

At the request of the Superintending Engineer, III Circle, I have the honour to transmit, for the approval and sanction of Government, a plan and estimate amounting to Rs. 3,760 for reroofing, with Mangalore tiles, certain buildings attached to the District Jail, Bellary, which have been countersigned by me. A copy of the Superintending Engineer's letter, No. 666, dated 1st May 1897, is enclosed. The work seems to be really one of repair, though classed under Public Works rules as a new work, owing to the change in the character of roof adopted.

No. 1150, Judicial.

Approved and transferred to the Public Works Department for execution when funds are available.

31st May 1897.

(Signed) W. FRANCIS,
Ag. Under Secretary.

Copy of letter from H. E. CLERK, Esq., Executive Engineer, Bellary Division, to the Superintending Engineer, III Circle, dated 19th July 1897, No. 5943 B.

With reference to your memo. No. 1714, dated 19th June 1897, I have the honour to submit as follows :—

(a) *Dismantling the existing roof.*—The schedule rate of As. 8 is simply for lifting and removing *the tiles alone*, but in the present case the whole roof had to be removed, viz., tiles and reepers. Hence a rate of Re. 1 was allowed.

(b) *Pinewood ceiling.*—Schedule rate is Rs. 16–8–0, but owing to fluctuation in the rate for pine planks, Rs. 17 was allowed.

(c) *Relaying existing tiles of store-room.*—The schedule does not provide for this item of work. The present roof of the store-room is of Mangalore tiles which had to be entirely removed and relayed with the necessary screws to prevent them from being blown off. Hence a rate of Rs. 4–4–0 was allowed.

As regards the lump sum provision of Rs. 50 for bringing certain roofs to one level, I have the honour to state that the walls had to be raised for this purpose; payment, of course, being made on actual work done.

No. 2474 W.

Forwarded to the Chief Engineer, Public Works Department, with reference to his memo. No. 2900 C., dated 16th June 1897, the enclosures of which are herewith returned.

23rd July 1897.

(Signed) W. B. deWINTON,
Superintending Engineer, III Circle.

Order—No. 2136 W., dated 4th August 1897.

The estimate amounting to Rs. 3,760 for reroofing, with Mangalore tiles, certain buildings attached to the District Jail at Bellary, is sanctioned for execution when funds are available.

2. This sanction has been registered as Provincial No. 32 W. of 1897–98, and classified as "Civil Buildings—Original Works."

(True Extract.)

(Signed) D. McNEIL CAMPBELL, Colonel, R.E.,
Secretary to Government.

To the Superintending Engineer, III Circle, with six enclosures.
" Examiner, Public Works Accounts.
" Judicial Department.

GENERAL.
ACCOUNT.

Government {1897} of Madras.

PUBLIC WORKS.

Recd. } 1897. *Enclosures*

Regd. } *Spare copies*

G.O., No. 2137 W., 4th August 1897.

AUGUST.

Indents for Stores

Endorsement in the Financial Department transferring despatch from the Secretary of State stating that he has sanctioned compliance with certain —, communicated to officers concerned.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

Read—the following paper :—

Despatch from the Right Honourable the Secretary of State for India, to His Excellency the Governor in Council, dated London, 1st July 1897, Financial (Stores), No. 6.

With reference to the letters noted in the enclosed list, I have to inform Your Excellency that I have sanctioned compliance with the indents therewith forwarded.

Enclosure.

Madras.

Letters from Secretary to Government of Madras (Public Works Department) :—

No. 525 W.,	dated	23rd February 1897		(Delta metal, etc., for Pelandorai anicut).
,, 561 W.,	,,	26th	,, ,,	(Gauges for the IV Circle, Madras).
,, 559 W.,	,,	26th	,, ,,	(Stores for Kistna Northern, Gódávari Eastern, and Public Works Stores, divisions).
,, 595 W.,	,,	3rd March	,,	(Gas apparatus for Chemical Laboratory, Presidency College, Madras).

Endorsement No. 1557, Financial.

Transferred to the Public Works Department.

24th July 1897.

(Signed) A. R. KNAPP,
Acting Under Secretary.

Order—No. 2137 W., dated 4th August 1897.

Communicated to officers concerned.

(True Extract.)

(Signed) D. McNEIL CAMPBELL, Colonel, R.E.,
Secretary to Government.

To the Superintending Engineer, I Circle.
,, ,, ,, II ,,
,, ,, ,, IV ,,
,, ,, ,, V ,,
,, Consulting Architect to Government.

BUILDINGS AND ROADS.
CIVIL WORKS.

Government (1897) of Madras.

PUBLIC WORKS.

Recd.	1897.	*Enclosures*
Regd.		*Spare copies*

G.O., No. 2138 W., 4th August 1897.

AUGUST.

Sub-Registrar's Office

Estimate of Rs. 1,640 for converting the old Police hospital at Tirukkóyilúr in the South Arcot district into a —, sanctioned in lieu of the estimate of Rs. 3,440 sanctioned in G.O., No. 308 W., dated 7th February 1895.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

Read—the following paper:—

G.O., No. 944, Judicial, dated 2nd July 1897.

Read—again G.O., No. 510, Judicial, dated 6th April 1897.

Read—also the following letter from the Superintending Engineer, V Circle, No. 140 M., dated 12th June 1897:—

With reference to your G. No. 2438, dated 19th May 1897, I have the honour to forward, for your approval and transmission to Government for sanction, the enclosed plan and estimate of Rs. 1,640 for converting the old Police hospital at Tirukkóyilúr into a Sub-Registrar's office (revised in accordance with your suggestions contained in the letter quoted above) in lieu of constructing a [new building sanctioned in G.O., No. 308 W., dated 7th February 1895, for Rs. 3,440.

The area of the record-room now provided in the present estimate is 63 square feet less than that in the revised type design circulated with G.O., No. 1320 W., dated 13th May 1891.

Endorsement of the Inspector-General of Registration, G. No. 3110, dated 15th June 1897.

Submitted for the sanction of Government with reference to G.O., No. 510, Judicial, dated 6th April 1897.

Order—No. 944, Judicial, dated 2nd July 1897.

The revised estimate for Rs. 1,640 is approved and will be transferred to the Public Works Department.

(True Extract.)

(Signed) C. H. B. BURLTON,
for Chief Secretary.

Order—No. 2138 W., dated 4th August 1897.

The estimate amounting to Rs. 1,640, for converting the old Police hospital at Tirukkóyilúr in the South Arcot district into a Sub-Registrar's office, is sanctioned in lieu of the estimate of Rs. 3,440 sanctioned in G.O., No. 308 W., dated 7th February 1895.

2. This sanction has been registered as Provincial No. 33 W. of 1897-98 and classified as "Civil Buildings—Original Works."

(True Extract.)

(Signed) D. McNEIL CAMPBELL, Colonel, R.E.,
Secretary to Government.

To the Superintending Engineer, V Circle, with five enclosures.
„ Examiner, Public Works Accounts.
„ Judicial Department.

BUILDINGS AND ROADS.
CIVIL WORKS.

Government (1897) of Madras.

PUBLIC WORKS.

Recd.	1897.	*Enclosures*
Regd.		*Spare copies*

G.O., No. 2139 W., 4th August 1897.

AUGUST.

Central and District Jails at Coimbatore

Estimate of Rs. 4,150 for strengthening, with iron straps, the frames of the doors and windows in the —, sanctioned for execution when funds are available.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following papers:—

From A. G. CARDEW, Esq., M.A., Inspector-General of Prisons, to the Chief Secretary to Government, dated Camp Cannanore, 10th May 1897, No. 1110 C.

At the request of the Superintending Engineer, IV Circle, I have the honour to transmit, for the sanction of Government, plans and estimate amounting to Rs. 4,150 for strengthening the frames of the doors and windows in the Central Jail, Coimbatore, which have been duly countersigned by me.

2. The preparation by the Public Works Department of these documents, was authorized by Government in G.O., No. 459, Judicial, dated 5th March 1896.

No. 1112, Judicial.

Approved and transferred to the Public Works Department for execution when funds are available.

(Signed) W. FRANCIS,
Ag. Under Secretary.

26th May 1897.

From J. HANNAN, Esq., Superintending Engineer, IV Circle, to the Chief Engineer, Public Works Department, dated Coimbatore, 17th July 1897, No. 393/W.

With reference to your memo., No. 490 D., dated 9th June 1897 (the enclosures to which are herewith returned), I have the honour to inform you that the Superintendent of Central Jail, Coimbatore, has stated in his letter, No. 1941, dated 9th July 1897, to the Inspector-General of Prisons, that it is necessary that the latrine windows of the District Jail blocks should be strengthened. He also has stated that, although the aperture is only $6\frac{1}{2}$ inches wide, there is nothing to prevent a prisoner cutting away the wooden frame into which the iron bars are set, and thus making it quite large enough for a man to pass through.

The above statement has been approved of by the Inspector-General of Prisons.

ORDER—No. 2139 W., dated 4th August 1897.

The estimate amounting to Rs. 4,150 for strengthening, with iron straps, the frames of the doors and windows in the Central and District Jails at Coimbatore is sanctioned for execution when funds are available.

2. This sanction has been registered as Provincial No. 36 W. of 1897–98, and classified as "Civil Buildings—Original Works."

(True Extract.)

(Signed) D. McNEIL CAMPBELL, Colonel, R.E.,
Secretary to Government.

To the Superintending Engineer, IV Circle, with six enclosures.
„ Examiner, Public Works Accounts.
„ Judicial Department.

BUILDINGS AND ROADS.
CIVIL WORKS.

Government {1897} of Madras.

PUBLIC WORKS.

Recd.	1897.	*Enclosures*
Regd.		*Spare copies*

G.O., No. 2141 W., 6th August 1897.

AUGUST.

Government House and Subsidiary Buildings at Ootacamund

Estimate amounting to Rs. 8,370 for improvements to —, sanctioned for immediate execution, and the Superintending Engineer, IV Circle, directed to propose a re-appropriation of funds to meet the cost of the work.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

Read—the following papers :—

From Major F. W. ROMILLY, D.S.O., Military Secretary to His Excellency the Governor, to the Secretary to Government, Public Works Department, dated Madras, 27th January 1897, No. 31.

I have the honour to forward herewith, duly approved, an estimate amounting to Rs. 8,370 for improvements to Government House and subsidiary buildings at Ootacamund, and to request that you will be good enough to obtain the sanction of Government thereto.

From the Executive Engineer, Coimbatore Division, to the Superintending Engineer, IV Circle, dated 1st June 1897, No. 2152.

With reference to the Chief Engineer's letter, No. 824 C., dated 9th February 1897, forwarded with your No. 92 C.I., dated the 12th idem, I have the honour to forward, for sanction, an estimate amounting to Rs. 8,370 for improvements to Government House, Ootacamund, and to offer the following explanations on the points noted in the above letter :—

(1) The detail estimate for providing electric bells is furnished in the estimate and the same was also furnished with the consolidated estimate forwarded for sanction with my No. 4195, dated 10th December 1896.

(2) The plan of the proposed new straw-shed is herein enclosed. It is a lean-to shed added against the walls of the existing straw and firewood shed with a light corrugated iron roof supported on post let into the ground $1\frac{1}{2}$ to 2 feet and did not require any foundation, the walls also being of corrugated iron. The work of the straw-shed has also been completed. The old straw-shed is now used for carriages.

(3) The soil at site of new Lavatory is 1 foot black earth on surface and the sub-soil is hard earth. The depth of foundation allowed, viz., 3 feet, is the same as that of main building of which it is an extension.

(4) Data for the rates entered in the estimate is herewith furnished with the estimate for the items referred to in the above letter.

2. The plans have been retained as the work is under progress as per your endorsement, No. 107 C.I., dated 19th February 1897, on Chief Engineer's No. 990 C., dated 17th February 1897.

No. 307 W.

Copy submitted to the Chief Engineer, Public Works Department, with reference to his memo. Nos. 824 C., and 990 C., dated 9th and 17th February 1897, respectively.

The detailed estimate for fixing electric bells which is in the file of estimates seems to have been unnoticed in the Chief Engineer's office.

(Signed) J. HANNAN,
Suptdg. Engineer, IV Circle.

8th June 1897.

ORDER—No. 2141 W., dated 6th August 1897.

The estimate amounting to Rs. 8,370 for improvements to Government House and subsidiary buildings at Ootacamund is sanctioned for immediate execution, and the Superintending Engineer will propose a re-appropriation of funds to meet the cost of the work.

2. This sanction has been registered as Provincial No. 37 W. of 1897–98 and classified as "Civil Buildings—Original Works."

(True Extract.)

(Signed) D. McNEIL CAMPBELL, Colonel, R.E.,
Secretary to Government.

To the Superintending Engineer, IV Circle, with 21 enclosures.
" Examiner, Public Works Accounts.
" Military Secretary to His Excellency the Governor.

GENERAL.
ACCOUNT.

Government (1897) of Madras.

PUBLIC WORKS.

Recd. } 1897. *Enclosures*

Regd. *Spare copies*

G.O., No. 2142 W., 6th August 1897.

AUGUST.

Officers' Mess House at Malapuram

Stating, with remarks, that the reduced rate of rent for the — will be levied in accordance with the terms of Government of India letter, No. 3144 M.W., dated 12th November 1896, from 1st January 1897.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

Read—the following papers :—

From C. W. WOOD, Esq., Executive Engineer, West Coast division, to the Superintending Engineer, IV Circle, dated Calicut, 15th March 1897, No. 165 S.E.

In G.O., No. 1907 W., dated 31st July 1895, the rent of the Malapuram Mess house was fixed at Rs. 56 per mensem, and this amount is being recovered from the officers at Malapuram. The Officer Commanding Malapuram has just sent me a copy of station order by the Officer Commanding Wellington, in which it is laid down that detachments from British Infantry regiments shall only be charged maximum rent of Rs. 12–8–0 per company, and claims a refund for two months. In the absence of a Government Order revoking the terms of G.O., No. 1907 W. of 31st July 1895, I cannot allow any reduction. If any such Government Order has been issued, it has not been communicated to me.

Enclosure.

Station Order by Major W. H. M. BENT, Commanding Wellington, dated Monday, 11th January 1897.

Notice.—Rent for the officers' Mess houses will be recovered from the units in occupation under the rules in force for the assessment of the rent of officers' quarters, subject to the maximum amount laid down in the following table :—

	RS.	A.	P.	
British Cavalry regiment ...	100	0	0	less Rs. 25 per squadron detached.
Do. detachment.	25	0	0	per squadron.
Royal Artillery, British ...	25	0	0	per battery.
Do. Native ...	20	0	0	do.
British Infantry regiment.	100	0	0	less Rs. 12–8–0 per company detached.
Do. detachment.	12	8	0	per company.
Native Cavalry regiment ...	60	0	0	less Rs. 15 per squadron detached.
Do. detachment.	15	0	0	per squadron.
Sappers and Miners ...	10	0	0	per company.
Native Infantry regiment.	60	0	0	less Rs. 7–8–0 per company detached.
Do. detachment.	7	8	0	per company.

No. 171/W.

Copy submitted to the Chief Engineer, Public Works Department, for favour of orders with reference to G.O., No. 2611 W., dated 8th September 1896.

(Signed) J. HANNAN,
Supg. Engineer, IV Circle.

28th March 1897.

Office-note from the Examiner, Public Works Accounts, dated Madras, 21st May 1897, No. 1619 D./A.

[Your Office-note No. 2450 C., dated 12th May 1897.]

The rent for the Mess house, Malapuram, viz., Rs. 56, has been assessed according to Code I, X, 28, and appproved in G.O., No. 1907 W., dated 31st July 1895. Any alteration of that rate of rent will, in the first place, require that the Military authorities show due cause for it, and in the second, a modification of the Government Order quoted.

2. The Executive Engineer might, therefore, be told to enquire from the Officer Commanding Wellington, what he means by the expression "under the rules in force, etc.," in his station order, dated 11th January 1897.

No. 2689 C.

Forwarded to the Superintending Engineer, IV Circle, in view to the enquiry suggested by the Examiner being made.

28th May 1897. (Signed) D. McNEIL CAMPBELL, Col., R.E.,
Chief Engineer.

No. 285/W.C.

Forwarded to the Executive Engineer, West Coast division, for enquiry and report.

2nd June 1897. (Signed) J. HANNAN,
Supg. Engineer, IV Circle.

No. 986 M.

Forwarded to the Officer Commanding 2nd Battalion, South Staffordshire Regiment, Wellington, with the request that he will be good enough to express his opinion on the point raised by the Examiner, Public Works Accounts, in paragraph 2 of his office-note.

11th June 1897. (Signed) C. W. WOOD,
Executive Engineer.

From Lieutenant-Colonel W. MOORE, Commanding 2nd Battalion, South Staffordshire Regiment, to the Assistant Adjutant-General, Southern District, dated Wellington, 15th June 1897.

Will you please reply to this as the station order referred to was issued from your office.

From Major T. H. HAUGHTON, Assistant Adjutant-General, Southern District, to the Executive Engineer, West Coast division, dated Wellington, 16th June 1897, No. 2320 B.

With reference to your endorsement, No. 986 M., dated 11th instant, addressed to the Officer Commanding South Staffordshire Regiment, I herewith enclose endorsement No. B./M.W. 14650, dated 19th December 1896, from the Deputy Adjutant-General, Madras Command, on copy of letter from the Quartermaster-General in India, Simla, dated 10th December 1896, for your information. Please return it when no longer required by you.

Enclosures.

Copy of a letter from the Secretary to the Government of India, Military Department, to the Director-General of Military Works in India, dated 12th November 1896, No. 3144 M.W. (Quarters—Officers).

In repy to your letter, No. 1318 B., dated the 14th May 1896, on the subject of the assessment of rent for officers' Mess houses, I am directed to convey the sanction of the Government of India to the modification of paragraph 136 of the Bengal Barrack Regulations as follows:—

"At stations where officers' quarters are provided, officers' Mess houses are also built at the expense of the State.

"Rent for these Mess houses will be recovered from the units in occupation under the rules in force for the assessment of the rent of officers' quarters at such stations, subject to the maximum amounts laid down in the following table :—

	RS.	A.	P.	
British Cavalry regiment ..	100	0	0	less Rs. 25 per squadron detached.
Do. detachments.	25	0	0	per squadron.
Royal Artillery, British ...	25	0	0	per battery.
Do. Native ...	20	0	0	do.
British Infantry regiment.	100	0	0	less Rs. 12–8–0 per company detached.
Do. detachments.	12	8	0	per company.
Native Cavalry regiment ...	60	0	0	less Rs. 15 per squadron detached.
Do. detachments.	15	0	0	per squadron.
Sappers and Miners ...	10	0	0	per company.
Native Infantry regiment.	60	0	0	less Rs. 7–8–0 per company detached.
Do. detachments.	7	8	0	per company.
Deolali depôt, temporary depôts and instruction classes of officers ...	6	8	0	per officer."

No. B./M.W. 14650.

For information.

(By order.)

(Signed) A. H. B. CAVAYE, Major,
for Deputy Adjutant-General.

Ootacamund,
19th December 1896.

To the General Officer Commanding Southern District.

No. 387 S.E.

Returned to the Superintending Engineer, IV Circle, with reference to his endorsement, No. 285/W.C., dated 2nd ultimo (herewith returned), for disposal.

(Signed) C. W. WOOD,
Executive Engineer.

2nd July 1897.

No. 373/W.

Forwarded to the Chief Engineer, Public Works Department, with reference to his endorsement, No. 2689 C., dated 28th May 1897, herewith returned.

Letter from the Quartermaster-General in India, dated 10th December 1896, may be returned when done with.

(Signed) J. HANNAN,
Supg. Engineer, IV Circle.

6th July 1897.

Office-note from the Examiner, Public Works Accounts, dated 17th July 1897, No. 2279 D./A.

The revised rates of rent fixed in paragraph 136 of the Bengal Barrack Regulations may be levied as per Code, II, X, 151-A (Standing Order No. 123 of 23rd April 1897), from the date of the standing order or from such other date as may be ordered.

Order—No. 2142 W., dated 6th August 1897.

Rent for the Officers' Mess house at Malapuram will be levied in accordance with the terms of Government of India letter, No. 3144 M.W., dated 12th November 1896. The station order giving notice of the revised rates being dated 11th January 1897, the reduced rate for the Malapuram Mess house will have effect from the 1st of the same month, the necessary refunds being made.

(True Extract.)

(Signed) D. McNEIL CAMPBELL, Colonel, R.E.,
Secretary to Government.

To the Superintending Engineer, IV Circle.
" Examiner, Public Works Accounts.

Copy to the Deputy Adjutant-General, Madras Command,
for the information of His Excellency
the Lieutenant-General Commanding the Forces.

GENERAL.
ESTABLISHMENT.

Government (1897) of Madras.

PUBLIC WORKS.

Recd.	1897.	*Enclosures*	
Regd.		*Spare copies*	

G.O., No. 2143 W., 6th August 1897.

AUGUST.

Lighthouse Division

The formation of a sub-division in connection with the — from 1st May 1897, with the usual sub-division allowance, sanctioned.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Establishment.

Read—the following papers :—

From F. W. ASHPITEL, Esq., Executive Engineer, Lighthouse division, to the Chief Engineer, Public Works Department, dated Madras, 13th May 1897, No. 415.

As the construction of a lighthouse at False Point Divi has commenced, I have the honour to request that a sub-division may be sanctioned from 1st May 1897, with the usual sub-division allowance.

2. The most convenient name will be No. 1 Sub-division.

Office-note from the Examiner of Public Works Accounts, dated Madras, 3rd June 1897, No. 237 C.

Please see my office-note, No. 1436 D./E., dated 8th May 1897, on a similar question.

From Conductor C. SMITH, R.E., Officiating Executive Engineer, Lighthouse division, to the Chief Engineer, Public Works Department, dated Madras, 16th July 1897, No. 499.

With reference to your memo., No. 552 D., dated 16th June 1897, I have the honour to inform you that it is not intended to make the Lighthouse works at False Point Divi a sub-division of itself.

2. The subordinate in charge of False Point Divi will also take charge of Sacramento and Masulipatam new lighthouses when sanctioned; and until then, he will be required to make occasional visits to these and other places on the East Coast in order to make surveys, take borings, ascertain the nature of the soil and collect other informations necessary. His head-quarters will be decided on when the permanent Executive Engineer of the division returns from leave.

3. The only extra expenditure incurred will be the sub-divisional allowance of Rs. 30 per mensem, or Rs. 360 per annum.

Order—No. 2143 W., dated 6th August 1897.

Sanctioned.

(True Extract.)

(Signed) D. McNEIL CAMPBELL, Colonel, R.E.,
Secretary to Government.

To the Executive Engineer, Lighthouse division.
" Examiner, Public Works Accounts.

BUILDINGS AND ROADS.
CIVIL WORKS.

Government (1897) of Madras.

PUBLIC WORKS.

Recd.	1897.	*Enclosures*
Regd.		*Spare copies*

G.O., No. 2144 W., 6th August 1897.

AUGUST.

Post and Telegraph Office

Letter from the Superintendent of Telegraphs, East Coast division, reporting that a third-class combined — was opened at Koraput in the Vizagapatam district, on the 18th June 1897, recorded.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

Read—the following paper:—

From the Superintendent of Government Telegraphs, East Coast division, to the Secretary to Government, Public Works Department, dated Vizagapatam, 21st July 1897, No. 1479.

I have the honour to report that a third-class (Postal Telegraph) combined office was opened at Koraput in the Vizagapatam district on the 18th June 1897.

Order—No. 2144 W., dated 6th August 1897.

Recorded.

(True Extract.)

(Signed) D. McNEIL CAMPBELL, Colonel, R.E.,
Secretary to Government.

To the Superintending Engineer, I Circle.
„ Revenue Department.
„ Public Department.

BUILDINGS AND ROADS.
CIVIL WORKS.

Government [1897] of Madras.

PUBLIC WORKS.

Recd.	1897.	*Enclosures*
Regd.		*Spare copies*

G.O., No. 2145 W., 6th August 1897.

AUGUST.

Relief Works

Proceedings, Revenue Department, recording Proceedings of the Board of Revenue (Revenue Settlement) submitting, with remarks, notes on inspection of Gazuvaka and Kondakarla — by the Superintending Engineer, I Circle, and expressing the opinion that it is the duty of Public Works officers to bring to notice any shortcomings they may find in the administration of relief works, communicated to Superintending Engineers for information.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following paper:—

G.O., Mis. No. 3867, Revenue, dated 26th July 1897.

Read—the following papers:—

G.O., No. 2802, dated 2nd June 1897.

Proceedings of the Board of Revenue (Revenue Settlement), Mis. No. 4876, dated 3rd July 1897.

Proceedings of the Board of Revenue (Revenue Settlement), Mis. No. 5115, dated 9th July 1897.

ABSTRACT.—Submitting to Government in continuation of Board's Proceedings, No. 4876, dated 3rd July 1897, letter from the Collector of Vizagapatam submitting further remarks on the Superintending Engineer's notes on inspection of Gazuvaka and Kondakarla relief works.

Proceedings of the Board of Revenue (Revenue Settlement), Mis. No. 5459, dated 17th July 1897.

ABSTRACT.—Submitting to Government the inspection notes of the Superintending Engineer, I Circle, referred to in G.O., Mis. No. 2802, dated 2nd June 1897.

Order—Mis. No. 3867, Revenue, dated 26th July 1897.

Recorded.

2. With reference to the observation in paragraph 5 of Board's Proceedings, No. 4876, dated 3rd July 1897, that the remarks of the Superintending Engineer, bearing as they do on matters non-professional, are out of place, the Government is of opinion that it is the duty of Public Works officers to bring to notice any shortcomings they may find in the administration of relief works and that Mr. Larminie's remarks are perfectly legitimate.

(True Extract.)

(Signed) G. STOKES,
Ag. Secretary to Government.

ORDER—No. 2145 W., dated 6th August 1897.

Communicated to Superintending Engineers for information.

(True Extract.)

(Signed) D. McNEIL CAMPBELL, Colonel, R.E.,
Secretary to Government.

To Superintending Engineers.

GENERAL.
ESTABLISHMENT.

Government (1897) of Madras.

PUBLIC WORKS.

Recd. } 1897. *Enclosures*

Regd. *Spare copies*

G.O., No. 2159 W., 6th August 1897.

AUGUST.

Camp Equipage

Proceedings, Financial Department, stating that the daily allowance claimed by M.R.Ry. V. Manickam Nayakar, Apprentice Engineer, Erode, for March 1897, is admissible, and drawing the attention of Departments of the Secretariat and of all heads of departments to the definition of the term — as given in article 21 of the Civil Service Regulations, communicated to the Superintending Engineer, IV Circle, and all other officers of the department for information and guidance.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Establishment.

Read—the following paper :—

G.O., No. 564, Financial, dated 22nd July 1897.

Read—the following papers :—

From M.R.Ry. V. MANICKAM NAYAKAR Avergal, Apprentice Engineer, Erode, to the Executive Engineer (through the Sub-Divisional Officer, Erode), dated Bhaváni, 7th May 1897, No. 478.

In submitting herewith my journal for March 1897, I have the honour to state that, as the re-sluicing and bridge works in the Thadapally channel were urgently required to be completed before the opening of the channel, I had to halt at Gobi for more than 10 days (ten) from 11th to 30th, and request that you will be kind enough to allow me daily allowance for the whole period, as the distance to travel every day being large, I had to keep camp equipage.

No. 1141.

Submitted to the Executive Engineer for favourable consideration.

(Signed) T. GNANASAMBANDAM PILLAI,
Sub-Divisional Officer, Erode.

13th May 1897.

No. 1933.

Forwarded to the Superintending Engineer for favour of sanction under article 1159 of the Civil Service Regulations. The prolonged halt was necessary in the interests of the public service, and it was necessary to maintain camp equipage. The Thadapally channel had to be re-opened on 15th April the due date and was re-opened about the 20th April. If the Apprentice Engineer had not stopped at the place, the work would not have been done so soon.

(Signed) A. A. G. MALET,
Executive Engineer.

17th May 1897.

No. 285/W.

Forwarded to the Chief Engineer, Public Works Department, for favour of sanction.

(Signed) J. HANNAN,
Supg. Engineer, IV Circle.

27th May 1897.

No. 425 D.

Referred to the Financial Department. The claim seems admissible under article 1159, Civil Service Regulations; the prolonged halt having been necessary in the interests of the public service; and camp equipage having been required and maintained.

(Signed) C. H. B. BURLTON,
Under Secretary to Government.

3rd June 1897.

Memo. No. 1219, Financial.

The Public Works Department is requested to ascertain and report what the "camp equipage" actually maintained by the Apprentice Engineer consisted of.

Ootacamund,
10th June 1897.

(Signed) W. FRANCIS,
for Chief Secretary.

No. 523 D.

Copy forwarded to the Superintending Engineer, IV Circle, who will supply the required information with reference to his endorsement, No. 285 W., dated 27th May 1897.

12th June 1897.

(Signed) C. H. B. BURLTON,
Under Secretary to Government.

Letter from M.R.Ry. V. MANICKAM NAYAKAR Avergal, Assistant Engineer, Erode, to the Executive Engineer, Coimbatore Division, dated 28th June 1897, No. 1468.

With reference to your No. 2457 of 24th June 1897, herewith returned, I have the honour to inform you that the camp equipage maintained by me consisted of a pony, bicycle and two hired single bullock carts.

No. 2593.

Copy forwarded to the Superintending Engineer, IV Circle, with reference to his endorsement No. 387 C.I., dated 17th June 1897.

(By order.)
(Signed) E. A. LaFONTAINE,
Accountant, Executive Engineer's Office.

1st July 1897.

No. 365/W.

Forwarded to the Chief Engineer, Public Works Department, with reference to his memo. No. 523 D., dated 12th June 1897.

(Signed) J. HANNAN,
Supg. Engineer, IV Circle.

5th July 1897.

No. 768 D.

Transferred to the Financial Department with reference to memorandum in that department, No. 1219, dated 10th June 1897.

(Signed) D. McNEIL CAMPBELL, Colonel, R.E.,
Secretary to Government.

10th July 1897.

Order—No. 564, Financial, dated 22nd July 1897.

The claim is admissible.

2. Applications submitted to Government for exemption from the operation of article 1159 of the Civil Service Regulations frequently exhibit a confusion as to the meaning of the term "*Camp equipage*". The attention of departments of the Secretariat and of all heads of departments will be drawn to article 21 of the Civil Service Regulations where the term is defined as meaning the "*apparatus for moving a camp.*"

(True Extract.)
(Signed) F. J. WILSON,
for Chief Secretary.

Order—No. 2159 W., dated 6th August 1897.

Communicated to the Superintending Engineer, IV Circle, with reference to his letters quoted below : —

No. 285 W., dated 27th May 1897.
,, 365 W., ,, 5th July ,,

2. Paragraph 2 will be communicated to all officers of the department for information and guidance.

(True Extract.)

(Signed) D. McNEIL CAMPBELL, Colonel, R.E.,
Secretary to Government.

To the Superintending Engineer, IV Circle, with enclosures.
,, other Superintending Engineers.
,, the Examiner, Public Works Accounts.
,, the Consulting Architect.
,, the Chief Engineer for Irrigation.
,, the Executive Engineer, Lighthouse Division.
,, Lieutenant-Colonel Smart, R.E.
,, the Consulting Engineer for Railways.

GENERAL.
ESTABLISHMENT.

Government {1897} of Madras.

PUBLIC WORKS.

Recd.	1897.	*Enclosures*	
Regd.		*Spare copies*	

G.O., No. 2167 W., 7th August 1897.

AUGUST.

Remuneration

Authorising Mr. F. J. Wilson, Executive Engineer, Public Works Department, to undertake the duties specified by the Harbour Trust Board; and, with the sanction of the Government of India, to accept the — offered.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Establishment.

Read—the following papers :—

From W. AUSTIN, Esq., I.C.S., Chairman, Harbour Trust Board, Madras, to the Secretary to Government, Marine Department, dated 27th February 1897, No. 5297.

I have the honour to acknowledge the receipt of your Demi-official (Marine Department), dated 20th February, which has been circulated to the Trustees, and was considered by the Board at its meeting last evening.

2. As it will not be convenient for the Public Works Department to take over the functions of the Board's Engineer, the Trustees will not press the suggestion made in the concluding portion of paragraph 14 (*b*) of my letter, No. 3771, dated 4th December 1896, viz., that the executive control of the harbour works should be transferred to the Chief Engineer, Public Works Department.

3. The Trustees are, however, strongly and unanimously of opinion that it is therefore more than ever necessary that the Engineer member of the Board should make a periodical inspection of the works, and report quarterly to the Board.

4. The Under Secretary to Government, Public Works Department, who holds the office of a Trustee of the Harbour, is a Government servant with his own duties to attend to ; but being, as a Trustee, intimately acquainted with Harbour Trust affairs, the Board would submit for consideration that, without detriment to his duties in the Public Works Department, he might find time, once a month, to hold an inspection of the harbour works, and to submit a short report to the Board, quarterly.

5. Should Government consider that he may be deputed to do this, the Board will be prepared to pay him, as compensation for the additional work which would devolve upon him, whatever personal allowance Government may consider a fair remuneration for the services rendered.

6. It must be understood that in the event of Government acceding to this suggestion the gentleman deputed to make the periodical inspection and the quarterly report would have no individual personal authority over the Board's Engineer, but merely inspect on behalf of the Board, and report to it for the information of the Trustees and of Government, should any matter of importance be dealt with in any report, which, in the opinion of the Board, should be submitted to Government.

From G. H. D. WALKER, Esq., Under Secretary to the Government of India, Public Works Department (General), to the Secretary to the Government of Madras, Public Works Department, dated Simla, 16th July 1897, No. 1888 G.

I am directed to acknowledge the receipt of your letter, No. 1591 W., dated 11th June 1897, reporting that the Madras Harbour Trust Board desires to appoint Mr. F. J. Wilson, Under Secretary to Government of Madras in the Public Works Department, their local Consulting Engineer for purpose of making periodical inspections of the works, and submitting reports thereon, and proposes to remunerate him for the extra duty by the grant of an allowance of about Rs. 100 per mensem.

2. In reply, I am to state that, on the recommendation of the Government of Madras, and on the assurance given in paragraph 3, and the statement made in the last clause of the first paragraph of your letter under reply, viz., that the extra work Mr. Wilson is required to perform will not interfere with his official duties, the Government of India are pleased to accord sanction to Mr. Wilson accepting from the Madras Harbour Trust Board a remuneration not exceeding Rs. 1,200 a year.

ORDER—No. 2167 W., dated 7th August 1897.

His Excellency the Governor in Council is pleased to authorise Mr. F. J. Wilson, Executive Engineer, Public Works Department, to undertake the duties specified by the Harbour Trust Board; and, with the sanction of the Government of India, to accept the remuneration offered.

(True Extract.)

(Signed) D. McNEIL CAMPBELL, Colonel, R.E.,
Secretary to Government.

To F. J. Wilson, Esq., through the Chief Engineer for Irrigation.
,, the Examiner, Public Works Accounts.
,, the Chairman, Harbour Trust Board.
,, the Accountant-General.

BUILDINGS AND ROADS.
CIVIL WORKS.

Government {1897} of Madras.

PUBLIC WORKS.

Recd. } 1897. *Enclosures*

Regd. *Spare copies*

G.O., No. 2178 W., 9th August 1897.

AUGUST.

Road Works in the North Arcot District

Sanctioning, with remarks, certain estimates for — under "33. Famine Relief", Local.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

Read—the following papers :—

From J. HANNAN, Esq., Superintending Engineer, IV Circle, to the Chief Engineer, Public Works Department, dated Coimbatore, 5th July 1897, No. 361/W.

I have the honour to submit herewith for sanction of Government the following two famine estimates received from the President, District Board, North Arcot, with recommendation that the large lump sums allowed for masonry works in the estimates may be eliminated from them pending submission of properly drawn out plans and estimates.

A copy of the Arni Taluk Board's resolution sanctioning these estimates is enclosed and that of the District Board approving them will be sent as soon as they are received from the President, District Board :—

	Amount of estimate.	Amount allowed for masonry works.
	RS.	RS.
1. Forming a branch road from Nerkonam to Thellar to join at $33\frac{3}{4}$ mile of Wandiwash-Tindivanam road ...	6,000	2,000
2. Forming the road from Thellar to Thyar to join Nellur-Payavary road	6,000	2,743

Note by the Chief Engineer, Public Works Department.

In submitting the following two estimates for sanction, the Superintending Engineer, IV Circle, suggests that the lump sums provided for masonry works in the estimates may be eliminated from them pending submission of properly drawn out plans and estimates :—

	RS.
(a) Forming the road from Nerkonam to Thellar to join at $33\frac{3}{4}$ mile of Wandiwash-Tindivanam road	6,000
(b) Forming the road from Thellar to Thyar	6,000

The undersigned supports the Superintending Engineer's suggestion and recommends that the sums allowed for masonry works may be omitted and the rest of the estimates sanctioned on the understanding that they will be executed only as relief works.

19th July 1897. (Signed) D. McNEIL CAMPBELL, Colonel, R.E.,
Chief Engineer.

ORDER—No. 2178 W., dated 9th August 1897.

The undermentioned estimates for road works in the North Arcot district, as altered by the Chief Engineer, Public Works Department, are sanctioned :—

"33. Famine Relief", Local.	Amount of estimate.	Register Number.
	RS.	
(a) Forming the road from Nerkonam to Thellar to join at $33\frac{3}{4}$ mile of Wandiwash-Tindivanam road	4,000	21 W. of 1897–98.
(b) Forming the road from Thellar to Thyar ...	3,257	22 W. of 1897–98.

2. Attention is drawn to the Chief Engineer's note recorded above. Plans and estimates for the masonry works should be submitted.

(True Extract.)

(Signed) D. McNEIL CAMPBELL, Colonel, R.E.,
Secretary to Government.

To the Superintending Engineer, IV Circle, with seven enclosures.
,, Examiner, Public Works Accounts.
,, Local and Municipal Department.

GENERAL.
ACCOUNT.

Government {1897} of Madras.

PUBLIC WORKS.

Recd. } 1897. *Enclosures*

Regd. *Spare copies*

G.O., No. 2186 W., 9th August 1897.

AUGUST.

Oil Gas Apparatus

Letter from the Director-General of Stores enclosing copy of a contract entered into with Messrs. Mansfield & Sons for the supply of an — for the Chemical Laboratory of the Presidency College, and requesting that, when communications have passed in India between indenting officers and agents of firms in England, a complete copy of the correspondence may be sent home with the demands, communicated to the Consulting Architect and to all officers of the department for guidance.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

READ—the following paper:—

From the Director-General of Stores, India Office, to the Secretary to the Government of Madras, Public Works Department, dated Whitehall, London, S.W., 8th July 1897, No. S. 6528.

Referring to the oil gas apparatus for the Chemical Laboratory of the Presidency College demanded in your special Public Works indent No. 25, dated 10th December 1896, I enclose a copy of the contract which has been made with Messrs. Mansfield & Sons showing precisely what will be supplied and also a copy of their letters, dated 22nd May and 4th June 1897, explaining why their price is in excess of that quoted by their agent in India.

2. I would draw your attention to the desirability, when communications have passed in India between indenting officers and agents of firms in England, of sending home a complete copy of the correspondence with the demands so that I may be fully cognizant of the details of what is required.

3. Otherwise it is impossible, when any discrepancies arise, to decide as to what is really required and to check any excess of price which may be charged by the contractor.

ORDER—No. 2186 W., dated 9th August 1897.

Communicated, and the enclosures forwarded, to the Consulting Architect with reference to G.O., No. 594 W., dated 3rd March 1897.

2. Paragraphs 2 and 3 of the Director-General's letter will be communicated to all officers of the department for information and guidance.

(True Extract.)

(Signed) D. McNEIL CAMPBELL, Colonel, R.E.,
Secretary to Government.

To the Consulting Architect to Government, with five enclosures.
" the Chief Engineer for Irrigation.
" Superintending Engineers.
" the Superintending Engineer on Special duty.
" Executive Engineer, Lighthouse division.

GENERAL.
ESTABLISHMENT.

Government {1897} of Madras.

PUBLIC WORKS.

Recd.	1897.	*Enclosures*
Regd.		*Spare copies*

G.O., No. 2196 W., 10th August 1897.

AUGUST.

Subordinates of the Salt Department

The temporary transfer to the Public Works Department in the Vizagapatam division of certain — for famine duty, sanctioned in the terms of the Examiner's note.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Establishment.

READ—the following papers :—

From W. O. HORNE, Esq., Acting Collector, Vizagapatam, to the Executive Engineer, Vizagapatam division, dated 10th July 1897, No. 2852.

With reference to your telegram of yesterday informing me that the Superintending Engineer sends leave to start Gokivadagedda, Varaha embankment and Tatakulapalem channel as famine works, I have the honour to say that I do not know how many workers these works are capable of employing and for what period, and am therefore hardly able to make a selection. As, however, I have already asked you to start the Yellamanchili-Rayaveram road, which covers very nearly the same country as the Gokivadagedda, I think the latter may stand over for the present. Of the other two works, neither is quite as far south as I should like, but anything is preferable to useless breaking of road metal, and perhaps the Varaha bank might do instead of the quarry which I proposed at Uddandapuram, provided there is enough to be spent on it. Will you please let me know your opinion on this point?

2. The second work which I require in the Head Assistant's division, after the Yellamanchilli-Rayaveram road, is the Waddadi-Narasapatam road. I request that you will undertake this as soon as you can provide staff, supervision and tools.

3. With regard to subordinates, Mr. Merriman, the Deputy Commissioner of Salt and Abkári, has been instructed to give me any men he may have who are qualified for work as overseers, and he informs me that he is willing to lend to your department the services of the following men. The description is his:

(i) N. V. Raja Rao, B.A., pay Rs. 60 as Sub-Inspector, but has acted as Assistant Inspector on Rs. 125 for some years; has had experience in works, and passed nearly the whole departmental Engineering test.

(ii) P. Ananda Row, B.A., pay Rs. 125 as Assistant Inspector; has had four years' experience of works in factories.

(iii) S. Balaramakrishnulu, pay Rs. 60 as Sub-Inspector; intelligent; has had experience of works in factories.

(iv) B. T. Raghavacharlu, pay Rs. 70 as Sub-Inspector, but has acted as Assistant Inspector for some years on Rs. 125; has not had much experience of works, especially of late years, but is trustworthy and intelligent.

4. I think you might accept the loan of these men's services and get them temporarily appointed in your department. They will require this, because their places in the Salt Department will be filled by temporary men. I suggest that you telegraph for leave to appoint them temporarily and I think they should in fairness get Rs. 20 per cent. more pay on famine duty than at their ordinary work. Their services will be available in a week, and by that time I shall know for certain whether the season is going to mend or whether more overseers are unavoidable.

5. I had hoped to see you here to-day, but I am sending this by express to your camp.

No. 277/C.

Copy of the Collector's letter is submitted to the Chief Engineer, Public Works Department, with request to sanction the transfer to this department of the subordinates in question on the extra scale of pay proposed by the Collector. Meantime, the Executive Engineer has been authorized to employ the men.

14th July 1897.

(Signed) J. C. LARMINIE,
Superintending Engineer, I Circle.

Office-note from the Examiner, Public Works Accounts, dated Madras, 29th July 1897, No. 441 C.

[Your office-note No. 3337 C., dated 27th July 1897.]

The Salt Inspectors named in the Collector's letter may, under Government sanction, be temporarily transferred to Public Works Department as upper subordinates on their present rates of pay *plus* 20 per cent. as suggested, and allowed to retain a lien on their substantive appointments.

2. Their emoluments, for the time being, will have to be borne by the Public Works Department, *i.e.*, by the divisions concerned.

3. From Superintending Engineer's No. 277/C., dated 14th July 1897, it would appear that the Executive Engineer has been authorized to entertain them on the above conditions in anticipation of sanction.

ORDER—No. 2196 W., dated 10th August 1897.

Sanctioned in the terms of the Examiner's note.

(True Extract.)

(Signed) D. McNEIL CAMPBELL, Colonel, R.E.,
Secretary to Government.

To the Superintending Engineer, I Circle.
" " " III "
" Examiner, Public Works Accounts.
" Revenue Department.

GENERAL.
ESTABLISHMENT.

Government (1897) of Madras.

PUBLIC WORKS.

Recd. } 1897. *Enclosures*

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G.O., No. 2203 W., 11th August 1897.

AUGUST.

Establishment

Sanctioning the employment in the III Circle of the additional temporary — applied for by the Superintending Engineer and trusting that, with the aid of this establishment, every effort will be made to remove the arrears and irregularities into which the initial accounts of famine work have been allowed to drift.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Establishment.

READ—the following papers :—

From W. B. DEWINTON, Esq., Superintending Engineer, III Circle, to the Chief Engineer, Public Works Department, dated Bellary, 24th July 1897, No. 2514 W.

I have the honour to inform you that the two peripatetic Accountants appointed in G.O., No. 1099 W., dated 28th April 1897, have been employed in auditing the Famine accounts in Kurnool division, and have brought to light the most glaring irregularities in the accounts of paymasters and Tahsildars.

2. The state of confusion into which the initial accounts have been allowed to lapse is so serious that it will be necessary for these Accountants to devote the best part of a week to each work, to help paymasters to bring their accounts correctly up to date.

3. As there are at present 138 works in the circle, it will take the two Accountants at present at work more than a year to complete their inspection, and the accounts would, in the meantime, fall into almost inextricable confusion.

4. I beg, therefore, that you will be good enough to obtain the sanction of Government to the appointment of two additional Accountants to this circle, and of a clerk on Rs. 20 to all four Accountants. This is a matter of urgent importance.

P.S.—A proposition statement for the above establishment is attached. It includes provision for an additional clerk on Rs. 20 in my office, where the work is becoming beyond the powers of my establishment.

Enclosure.

Statement of Proposition for Revision of Establishment.

Order sanctioning present establishment—Government of Madras, Public Works Department.		Office to which the proposition refers.	Nature of changes.														Proposition.						Remarks.
			Present scale.							Proposed scale.							Permanent.		Temporary.				
					Pay.							Pay.					Increase per month.	Decrease per month.	Increase per month.		Decrease per month.		
No.	Date.		No.	Designation.	Minimum.	Increment.	Maximum.	Average or fixed.	Total cost.	No.	Designation.	Minimum.	Increment.	Maximum.	Average or fixed.	Total cost.	Amount.	Amount.	Period.	Amount.	Period.	Amount.	
				Famine Relief.	RS.	RS.	RS.	RS.	RS.		*Famine Relief.*	RS.	RS.	RS.	RS.	RS.	RS.	RS.	MON.	RS.	MON.	RS.	
1099 W.	28th April 1897.	Superintending Engineer's office, III Circle.	1	Draftsman ..	..	..	..	40		..	....	..	..	..	..		..	..	..	..	..	40	
			3	Peons on Rs. 7 each.	..	..	..	21		3	Peons on Rs. 7 each.	..	..	..	21		..	..	..	..	..	..	
			2	Peripatetic Accountants of the 5th grade at Rs. 150 each.	..	..	..	300		4	Peripatetic Accountants of the 5th grade at Rs. 150 each.	..	..	..	600		..	..	..	300	..	..	
		....	..	....	..	..	..	..		5	Clerks on Rs. 20 each	..	..	..	100		..	..	..	100	..	..	4 for four peripatetic Accountants. 1 for Superintending Engineer's office.
			2	Peons on Rs. 7 each.	..	..	..	14		4	Peons on Rs. 7 each.	..	..	..	28		..	..	..	14	..	..	
				Total ..	..	..	..	..	375		Total ..	..	..	..	..	749	..	..	..	414	..	40	

Office-note from the Examiner, Public Works Accounts, dated Madras, 2nd August 1897, No. 448 A.

[Your office-note No. 965 D., dated 28th July 1897.]

The column "Present scale" has been checked and found correct.

2. Under paragraph 193, chapter XIII of the Famine Code, only two peripatetic Accountants are allowed to each Superintending Engineer's charge. These have already been sanctioned for the III Circle in G.O., No. 1099 W., dated 28th April 1897.

3. The Superintending Engineer, however, seems to lay great stress on the necessity for two more peripatetic Accountants for this circle over and above the allowance provided in the Famine Code.

4. I am in no position to judge whether the actual requirements in this respect have in any way been over-estimated; but from some of the reports I have been receiving from the two existing peripatetic Accountants, there seems little doubt that, owing to slackness on the part of paymasters and others and defects in the system of payment and control, the initial accounts work of famine labour have already been allowed to drift into very considerable arrears, and that the irregularities in connection therewith have been, to a large extent, of a serious character. All this, therefore, points to the desirability, if not the urgent necessity, for extra accounts help in that quarter.

5. It is for the Government to consider whether special sanction should not, under the circumstances, be accorded to the two additional peripatetic Accountants and a clerk on Rs. 20 for each of them, as well as for the two existing men, as asked for by the Superintending Engineer.

ORDER—No. 2203 W., dated 11th August 1897.

The employment in the III Circle of the additional temporary establishment applied for in the statement submitted by the Superintending Engineer is sanctioned. The Government trusts that, with the aid of this establishment, every effort will be made to remove the arrears and irregularities into which the initial accounts of famine work have been allowed to drift.

2. This sanction has been registered as Provincial No. 43 W. of 1897–98 and classified as Establishment—Temporary.

(True Extract.)

(Signed) D. McNEIL CAMPBELL, Colonel, R.E.,
Secretary to Government.

To the Superintending Engineer, III Circle.
" Examiner, Public Works Accounts.
" Revenue Department.

GENERAL.
ESTABLISHMENT.

Government {1897} of Madras.

PUBLIC WORKS.

Recd. } 1897. *Enclosures*

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G.O., No. 2204 W., 11th August 1897.

AUGUST.

Transit Pay and Travelling Allowance

Authorizing the Examiner to pass — to clerk Muthukrishna Mudaliar transferred from the Buckingham Canal division to the III Circle, and granting the general sanction, so long as famine lasts, to the payment of —, applied for by the Superintending Engineer.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Establishment.

READ—the following papers :—

From W. B. DEWINTON, Esq., Superintending Engineer, III Circle, to the Chief Engineer, Public Works Department, dated Bellary, 19th July 1897, No. 2346 W.

I have the honour to bring to your notice that, with reference to the orders conveyed in your memo., No. 587 D., dated the 19th June 1897, presumably issued on this office reference No. 1577 W., dated the 11th idem, one Muthukrishna Mudaliar, temporary clerk of the Buckingham Canal division, has been ordered by the Superintending Engineer, II Circle, to report himself to this office. He has done so on the forenoon of the 13th instant and states that he received his pay in the Buckingham Canal division up to and inclusive of the 12th instant. I request that the necessary sanction of Government may be obtained, under article 1216 of the Civil Service Regulations, to the grant of his travelling allowance from Madras to Bellary.

2. As several transfers of this kind may take place, I beg that general sanction may be given, as long as famine lasts, to the payment of transit pay and allowances, to enable the Examiner to pass them.

Office-note from the Examiner of Public Works Accounts, dated Madras, 2nd August 1897, No. 447 A.

Article 1216, Civil Service Regulations, quoted in Superintending Engineer's letter, applies to officers in *inferior service*. Article 208 is probably meant. Specific sanction may be accorded in the present case.

2. With regard to the *general* sanction asked for, I see no objection to Government granting it, under special circumstances, during prevalence of famine. A copy of that sanction will be required for information and guidance in audit.

ORDER—No. 2204 W., dated 11th August 1897.

Under article 208, Civil Service Regulations, the Examiner is authorized to pass transit pay and travelling allowance to clerk Muthukrishna Mudaliar.

2. The general sanction applied for by the Superintending Engineer in paragraph 2 of his letter is granted.

(True Extract.)

(Signed) D. McNEIL CAMPBELL, Colonel, R.E.,
Secretary to Government.

To the Superintending Engineer, III Circle.
„ „ „ I „
„ „ „ II „
„ Examiner, Public Works Accounts.

GENERAL.
ACCOUNT.

Government {1897} of Madras.

PUBLIC WORKS.

Recd. } 1897. *Enclosures*
Regd. } *Spare copies*

G.O., No. 2208 W., 11th August 1897.

AUGUST.

Telephonic Communication

Endorsement from the Superintendent of Telegraphs, Madras Division, intimating that the revised annual charges for the — between the Cauvery grand anicut near Trichinopoly and the Executive Engineer's office at Tanjore will be Rs. 1,222-8-0 with effect from 1st July 1897, communicated to officers concerned.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

Read—the following paper :—

Memorandum from A. L. H. PALMER, Esq., Superintendent of Government Telegraphs, Madras Division, dated Ootacamund, 2nd August 1897, No. 3584.

The following is forwarded to the Secretary, Government of Madras, Public Works Department, with reference to the correspondence ending with this office No. 1453, dated 21st May 1896.

Enclosure.

Copy of a letter from the Director-General of Telegraphs, to the Examiner of Telegraph Accounts, dated 23rd July 1897, No. 730.

With reference to this office memo. No. 9974, dated the 7th of March 1896, I am directed to inform you that, under the rules laid down in Public Works Department Resolution No. 144 T., dated 12th June 1897, the revised annual charges for the telephonic communication between the Cauvery grand anicut near Trichinopoly and the Executive Engineer's office at Tanjore, will be Rs. 1,222–8–0 with effect from 1st July 1897.

Order—No. 2208 W., dated 11th August 1897.

Communicated to officers concerned, in continuation of G.O., No. 1658 W., dated 3rd June 1896.

(True Extract.)

(Signed) D. McNEIL CAMPBELL, Colonel, R.E.,
Secretary to Government.

To the Superintending Engineer, V Circle.
" " " VI "
" Chief Engineer for Irrigation.
" Examiner, Public Works Accounts.

GENERAL.
ACCOUNT.

Government {1897} of Madras.

PUBLIC WORKS.

Recd.	1897.	*Enclosures*	
Regd.		*Spare copies*	

G.O., No. 2220 W., 13th August 1897.

AUGUST.

Expenditure

Government of India letter stating that the orders issued in Public Works Department telegram, No. 106 A.G., dated 19th June 1897, restricting — in all branches of the Public Works Department, do not apply to Imperial Military works, communicated to the officers concerned.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

READ—the following paper :—

From A. R. BECHER, Esq., Officiating Deputy Secretary to the Government of India, Public Works Department (Account—General), to the Secretary to the Government of Madras, Public Works Department, dated Simla, 29th July 1897, No. 154 A.G.

With reference to your telegram, dated 20th July 1897, I am directed to state that the orders issued in Public Works Department telegram, No. 106 A.G., dated 19th June 1897, restricting expenditure in all branches of the Public Works Department, do not apply to Imperial Military works.

ORDER—No. 2220 W., dated 13th August 1897.

Communicated to officers concerned in continuation of G.O., Nos. 2121 W. and 2164 W., dated 3rd and 7th August 1897, respectively.

(True Extract.)

(Signed) D. McNEIL CAMPBELL, Colonel, R.E.,
Secretary to Government.

To Superintending Engineers.
" the Consulting Architect to Government.
" the Examiner, Public Works Accounts.
" the Financial Department.

Copy to the Deputy Adjutant-General, Madras Command, for the information of His Excellency the Lieutenant-General Commanding the Forces.

BUILDINGS AND ROADS.
CIVIL WORKS.

Government (1897) of Madras.

PUBLIC WORKS.

Recd.	1897.	*Enclosures*
Regd.		*Spare copies*

G.O., No. 2221 W., 14th August 1897.

AUGUST.

Jetties at Cocanada

Observing that the Superintending Engineer's report of April last on the work done to the — is satisfactory and encouraging, and approving with remarks that officer's proposal to stop the extension of the jetties for the present.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

Read—the following papers :—

Memorandum from the Chief Engineer, Public Works Department, to the Superintending Engineer, I Circle, dated 2nd December 1896, No. 1552 C.

On the strength of urgent petitions from persons in Cocanada stating that the port was likely to become closed up altogether unless something was at once done to improve its condition, a scheme for extending the groynes was prepared and sanctioned by Government. The Presidency Port Officer has lately visited Cocanada and has now represented to Government that the proposed works are unnecessary, and that things can quite well be left as they are till such time as the port can be removed to Vakalapudi. I therefore have the honour to request that you will, as early as possible, give me information on the following points :—

First.—In your opinion can the port be left as it is without fear of the passage out to sea becoming entirely blocked within the next three years. It seems to be possible that the floods in the Gódávari may have kept the passage opened and so temporarily removed all cause of anxiety, but that there will be the same state of affairs again as existed at the time the petitions were written.

I have asked the Port Officer for his opinion on this point, and yours must be given independent of his.

Second.—It is stated that it will be quite impossible to clear the sand bank between the two proposed groynes without using a sand pump dredger costing £12,000 or about 2 lakhs of rupees. Are you of this opinion ? As far as I can judge there seems to be no reason why the bank should not be cleared by hand assisted by the dredger now belonging to the port. When the groyne has been constructed at each side of the channel, I do not see why it should be more difficult to clear the sand to 3 feet below L.W. in this case than it was in the case of the excavation of the Buckingham canal and many other canals that run into tidal water, or it would be in the case of excavating a canal to Vakalapudi which now seems to be the idea of the Presidency Port Officer. I further do not think that a sand pump dredger would be suitable for working in such shallow water.

If the sand bank cannot be cleared without two lakhs having to be spent on a dredger, the scheme for extending the groynes must fall to the ground.

Third.—What is the average time an ordinary sized cargo boat takes to make a trip to a steamer and back by the present circuitous route, and what would be the average time if the channel were made by groynes as proposed, and what are the daily working expenses of such a boat. Supposing a boat carrying 20 tons and costing Rs. 5 a day to work only makes one trip by the present route while it would be able to make two by the proposed one it is evident that in the latter case 40 tons would be carried for the same cost as 20 in the former.

Fourth.—At what stage has the groyne work lately sanctioned arrived and how long will it take to complete. I will be much obliged if you will give me a very early answer to these questions, and I think it will be well if you consult several of the merchants interested as their opinions may not be the same as that of the Port Officer.

Telegram from the Superintending Engineer, I Circle, dated Dowlaishweram 8th December 1896.

From J. C. LARMINIE, Esq., M.I.C.E., Superintending Engineer, I Circle, to the Chief Engineer, Public Works Department, dated Gopalpur, 8th January 1897, No. C./5.

In reply to your memo. No. 2 C. of the 2nd instant, I have the honour to state that I do not see how I can offer a more definite opinion regarding the clearance of a channel through the sand bar at the mouth of the Cocanada river than that already given throughout the correspondence on the subject; paragraph 4 of my letter, No. 1955 G.D., dated 17th December 1896, specifies the various references on the subject, winding up with my letter, No. C./247 of 21st October 1896, submitting the jetty estimates for sanction.

2. That the necessity for the provision of a sand pump dredger had, up to date of your memo. No. 4552 C. of 2nd December 1896, been contemplated and as I understood, tacidly admitted, appears from the following references on the subject.—paragraph 18 of your note printed with G.O., No. 2445 of 24th August 1896; clause 4, paragraph 19 of the same note, resulting in the orders passed in G.O., No. 2805 of 30th September 1896, directing me to submit an indent for a sand pump dredger and your subsequent telegram of 24th October 1896 to hasten despatch of the same.

3. From these, I inferred that all difficulties were now at an end and looked on the future efficiency of the port as quite an assured fact, while in Cocanada the apparently near realization of so long felt a want was regarded quite as a matter for congratulation.

4. With reference to paragraph 2 of your memo. under reply, I would invite a re-perusal of paragraphs 8, 9 and 10 of my report, printed with G.O., No. 2445 W. of 24th August 1896. From these three paragraphs alone it would appear that (in the opinion of the writer) a dredger was an integral part of the scheme.

5. Your own opinion of the "Wenlock" is stated in paragraph 18 of your note printed with the same Government Order.

6. With reference to your paragraph 4, I would observe that there will be ample time before the completion of the jetties, in which to procure the dredger. Stone is being deposited as quickly as possible, but it will take some time yet to complete the total supply even at the rate of 3,000 cubic yards per month (estimated quantity 28,000 cubic yards) and time must be allowed for it to settle before any attempt is made to build or section it.

7. So soon as stone has been deposited all along the line of the wall to above half tide level, I then intend making an attempt to clear the highest part of the shoal by manual labour.

8. Could a channel giving a depth of six feet at even half tide be opened out, I believe the merchants would offer no great objection to the closing of gap *A* in the south jetty. Until this is done, no particular result can be expected from the work, and it was with this object in view, that all along, I have so strenuously advocated the provision of suitable dredging plant.

From J. C. LARMINIE, Esq., M.I.C.E., Superintending Engineer, I Circle, to the Chief Engineer, Public Works Department, dated Cocanada, 15th February 1897, No. C./66.

In reference to G.O., No. 3187 W. of 7th November 1896, directing me to report on a note by Mr. J. R. Bell regarding the possibility of preventing further ingress of Gódávari silt into Cocanada Bay, I have the honour to submit the following observations, having delayed doing so, until other engagements permitted of my making an inspection of the river outlets in question.

2. Even were such a scheme practicable, at a moderate expenditure, it would be quite unnecessary, for, it has apparently escaped Mr. Bell's notice, that all the trouble at Cocanada is due, not to the advance of Gódávari mud from the south, but to the travel of sand along the beach from the north due to the strong littoral current.

3. The view expressed in paragraph 10 of Mr. Bell's note is quite contrary to observed facts. With the extension of the northern jetty, the coast line for some little distance to the north of it, has advanced owing to the accretion of sand deposited by the aforesaid littoral current. This advance has continued until it has, as described by Mr. Bell in his 10th paragraph "enfolded the mouth of the canalized river"; but with this difference, that instead of being caused by mud from the south, all the damage has been caused by the travel of sand from the north!

4. Under these circumstances it seems almost superfluous to discuss the question of the exclusion of silt any further. But as the formation of Gódávari Point, and the extensive deltaic tracts around Hope Island, are entirely due to silt deposited by the Gódávari in the course of the last fifty-five years (they were in embryo in 1842, when the survey for the Atlas sheets was made) a few remarks in this connection may not be out of place.

5. As far as I can judge from observation and the available marine surveys, the deposit of Gódávari silt has now reached its extreme northly limit and a change has * set in.

* In fact, has been in progress for some years.

6. I would here invite a re-perusal of paragraphs 17, 18, 19 and 20 of my report printed with G.O., No. 2445 W. of 24th August 1896. Paragraphs 19 and 20 read as follows:—

> The charts show that as Point Gódávari extended northwards, so the bay to the west and south-west of it scours out. From 1875 to 1882, the change is marked, from 1882 to 1891, there is further improvement and particularly in the direction which affects the mouth of the Cocanada river, *i.e.*, the advance towards it of the one fathom contour.
>
> *Paragraph* 20.—In 1875, the nearest point of this contour was fully two miles from the river mouth. In 1891 the distance had decreased to something over a mile. The southern part of the bay, which in 1875 exposed extensive mud flats at low tide, is now a sheet of water of from 1 to 2 feet in depth.

In paragraph 23 of the above-mentioned report the trifling advance of Point Gódávari between the years 1882 to 1891 is alluded to.

7. All these considerations indicate, in my opinion, the inexpediency of undertaking a costly work to prevent what nature herself is now striving for and has already in a great measure attained.

8. The whole tendency of the Gódávari during recent years has been to reserve its former action, the principal opening being now to the south (instead of as formerly to the north into Cocanada Bay) through the channels marked A on the accompanying tracing from the Marine Survey of 1891.

9. A comparison of this with the old Atlas sheets of 1842 will show how the southern branches marked B, C, D have opened out, thereby causing the growth of the Sacramento shoal.

10. This opening out is no doubt due to the shoaling up of the northern branches at their entrance into Cocanada Bay and consequent inability to afford a free discharge to flood water and this change of régime, in itself, reduces to a minimum, the amount of silt now brought into the bay, a quantity which, in recent years, has done no appreciable harm.

11. It seems unnecessary to discuss the difficulty and expense which would be involved in the construction of an embankment like that advocated by Mr. Bell across the low-lying mud flats and a wide and deep (where the bank would cross) branch of the river. Considerable inconvenience to trade would also be caused by the closure of the Coringa river, in which the French Settlement of Yanam has vested interests.

From J. C. LARMINIE, Esq., M.I.C.E., Superintending Engineer, I Circle, to the Port Officer, Cocanada, dated 25th February 1897, No. C./54.

I have the honour to inform you that on this day I intend to begin closing the gap in the south jetty wall, through which cargo boats, &c., now pass out from Cocanada river into the bay.

2. I am aware that this procedure is somewhat opposed both to your own and the opinions of some of the merchants on the subject. But, responsible as I am for the success of a scheme on which Government have expended so much money, I can defer the closure no longer.

3. Until this gap is closed no material result can be expected from the extension of the southern jetty.

4. As you are well aware, the channel from the gap into the bay is threatened by the advance southwards of the sand shoal, so that the necessity for the provision of another exit becomes daily of greater urgency.

5. There is no other alternative but the passage across the bar, and any further delay will only accentuate the difficulty and expense of clearing it (the bar).

6. I do not anticipate that the closing of the gap will cause any very serious inconvenience to shipping operations. Even now boats have often to wait for a rise of tide before coming into the river through the gap. When it is closed, and for some little time after, at all events, arrangements must be made not to despatch boats over the bar within a certain period, before low water and after the turn of the tide. This period, probably, will be four hours before low water and two hours after turn of the tide, for boats drawing 4½ feet of water.

7. Under these circumstances, I have the honour to request you to be good enough to intimate to the boat owners generally the closure of the gap with any other instructions to them you may consider necessary. For some little time after closure of the gaps, the loading of the boats should be done with judgment.

No. C./55.

Copy forwarded to the Chief Engineer, Public Works Department, for information.

(Signed) J. C. LARMINIE,
Supg. Engineer, I Circle.

25th February 1897.

From J. C. LARMINIE, Esq., M.I.C.E., Superintending Engineer, I Circle, to the Port Officer, Cocanada, dated Camp Cocanada, 25th February 1897, No. C./77.

I have the honour to state in reply to your letter, No. 1591 of to-day, that to give up the intention of closing the gap means, to all intents and purposes, the abandonment of a scheme in which so much money has been expended. The question is purely an engineering one for which I am responsible. I must again repeat that, until the gap is closed, no real progress can be made on the bar and if we are to wait until a perfect channel, navigable at all states of the tide, is ready before the closure of the gap is started, it means postponing indefinitely the improvement of the port. If the gap cannot now be closed, dredging must cease as it is a waste of money trying it any further. As, however, the channel over the bar is not buoyed out, I shall postpone further action, until next Wednesday, to enable you to do so.

No. C./78.

Copy forwarded to the Chief Engineer, Public Works Department, for information in continuation of this office No. C./55 of to-day, together with a copy of letter No. 1591 * of the same date, to which it is a reply.

* From the Port Officer, Cocanada.

(Signed) J. C. LARMINIE,
Supg. Engineer, I Circle.

25th February 1897.

Enclosure.

From G. W. WICKS, Esq., Port Officer, Cocanada, to the Superintending Engineer, I Circle, dated 25th February 1897, No. 1591.

In reply to your letter, No. C./54 of this date, and just received by me, I have the honour to request that you will suspend the work of closing the gap until your letter can be placed before a meeting of the Board which I will call as soon as possible.

2. This matter, I consider, is of such vital interest to the trade of the port that I hope you will take no immediate action to carry out your intention of closing the gap and that you will kindly stop the boats throwing in stone in the gap for the present.

From J. C. LARMINIE, Esq., M.I.C.E., Superintending Engineer, I Circle, to the Chief Engineer, Public Works Department, dated Waltair, 8th April 1897, No. 79 G.D.

With reference to your memo., No. 994 C. of 18th February 1897, I now have the honour to submit a tracing from the survey showing the exit from the Cocanada river, with the soundings and the condition of the shoal for the six months (October 1896 to March 1897), and to report as follows.

2. By the end of January, the southern jetty had been raised above high tide level, along its whole length, to the end of the 400 feet curve; the curved extension to the north jetty had also been formed, up to low tide level.

3. During February attempts were made by means of the two old bucket river dredgers from Dowlaishweram, to open a passage through the bar, which at that time consisted of a ridge of sand about 150 feet wide, situated about half way between the ends of the jetties and the red and black buoys now marked on the tracing.

4. The weather was fresh and breezy nearly every afternoon, when a choppy sea got up, and without a proper steam tug the work was carried on under considerable difficulties. All that the bucket dredgers could do was to clear out two narrow parallel channels (the dredgers worked alongside each other). At very low tides also some excavation by manual labour was carried on.

5. Meantime, since the extension of the jetties, it had become apparent that powerful tidal currents were at work to and fro across the river mouth, to facilitate and induce some portion of these to enter between the jetties, the southern jetty was extended another 100 feet beyond the termination of the curve. This had some slight effect and served to indicate what might be expected were the gap in the southern jetty closed, for through this still, the main body of the tidal flow found its ingress and egress to and from the river.

6. The dredging on the bar merely served to show what might be attained by proper appliances, and the weather having become still more unfavourable, they were sent back to Dowlaishweram, and I then determined that at all hazards the gap should be closed.

7. Several members of the Port Conservancy Board were strongly opposed to this course, being unwilling to risk a stoppage of communication with the shipping for even a brief period. However, at a meeting of the Board held on the 27th February, it was decided after some discussion that the gap might be closed as a tentative measure with bags of sand (*see* this office endorsement on the Proceedings, No. 2545 G.D., dated 4th March 1897).

8. In a subsequent meeting on 18th March 1897 when neither the President nor myself were present, it was resolved that on the slightest appearance of difficulty or delay to boats in getting over the bar, the gap should be again re-opened (presumably by the Board itself)!

9. Between the 16th and 20th March the gap was closed and since then there has been a steady improvement. As was anticipated, the powerful tidal current which hitherto passed in and out of the gap now scours up and down between the jetties, one result being the diminution of the sand accretion which had formed along the north jetty, opposite the gap, while the increased depth in the channel across the bar, between the buoys, points to its effect in this direction. Furthermore, the width of the bar has considerably decreased, not being now more than 50 or 60 feet wide, where the minimum depth at low tide as shown by the row of black figures on the tracing is $2\frac{1}{4}$ feet (actual soundings at low water give a little more).

10. Altogether, the results of closing the gap are most encouraging and as I had all along hoped for. The improved state of affairs is even admitted by the Port officer.

11. The sand bag dam across the gap may collapse at any moment; it is sinking daily as sand escapes through decay of the bags; so, keeping in view all the foregoing conditions, I have given orders to proceed at once with the filling in of stone over the bags with a view to permanently closing the gap. The old circuitous channel from the gap is deteriorating; so, under all the circumstances of the case, I think it would be folly to re-open it.

12. At the same time, it must be admitted that, occasionally, there may arise difficulties in the navigation over the bar. A strong cross current, from the north, sweeps across the opening between the jetties with the flood tide, while the reverse takes place on the ebb. With the wind fresh anywhere between north-east and south-east, a lumpy sea gets up, which, combined with the strong current, renders the passage difficult, considerably enhanced by the narrowness of the channel.

13. It has been suggested that, in accordance with the sanctioned estimate, the jetties should now be extended outwards so as to get out beyond the bar, which could then be easily dredged out. But I am quite satisfied that their present termination is as favourable as can be arranged and is particularly so in respect to the direction and set of the tidal currents on the bar. Were the jetties extended, this effect would be interfered with, while the formation of a new bar further out would inevitably result.

14. The balance of the estimate (Rs. 44,200) is provided in this year's budget. But if the foregoing view be accepted only a small sum will be required. Another point for decision is whether the jetty should be left in its present rough unsectioned condition. The estimate provides for building it to a uniform section, and the cost of doing so will be 24,527 cubic yards at annas 4 = Rs. 6,132.

15. In conclusion, I would again point out, that to maintain a really safe and satisfactory channel through the bar, a sand pump dredger is essential. The coast line north of the jetties is slowly advancing eastward—a condition most likely to tend to the eventual growth of the bar, outside the present position of the buoys and further removed from the scour of the ebb tides.

From J. C. LARMINIE, Esq., M.I.C.E., Superintending Engineer, I Circle, to the Chief Engineer, Public Works Department, dated Camp Dowlaishweram, 27th June 1897, No. C./202.

I have the honour to invite your consideration of my report, No. 79 G.D., dated 8th April 1897, on the Cocanada river jetties, and to request orders on the question of building the wall to sanctioned section.* The gap is now permanently closed wit stone and all traffic passed to and fro over the bar.

* See paragraph 14 of above letter.

INSPECTION Notes of J. C. LARMINIE, Esq., M.I.C.E., Superintending Engineer, I Circle, on Cocanada river jetties, dated 20th July 1897, No. C./310.

The whole of the southern extension has settled down, so that at full tide it will be nearly a foot under water.

The contractor should be instructed to at once bring down an additional 1,300 cubic yards of stone, when the work should be raised three to a width of six feet. Across the gap which has been faced with rough stone is a hollow in the middle over the sand bag core. This hollow has first to be filled in using all the small stone available, so as to close all the interstices through which the tide now flows to and fro. When the gap has thus been brought up to the general level of the rest of the work, the extra three feet of raising can then be carried out so as to bring the whole length of the wall to one uniform level. The work can be put in hand so soon as punts can be made available, the contractor doing the work.

700 yards now at site.
Required 800 × 2 × 1 = 1,600. It will be advisable to retain a small reserve of about 400 cubic yards.

The question of building the jetty to sanctioned section (6 feet top width, slopes $1\frac{1}{2}:1$) was referred to the Chief Engineer last April. It will not, however, be advisable to do anything in this direction until all settlement has ceased.

The condition of the bar has much improved, the width having decreased, so that it cannot now be more than 30 feet wide, if so much. This is due, no doubt, to the strong tidal currents to and fro across the river mouth, while the tidal current up and down between the jetties has deepened the channel and maintained and improved the channel out between the buoys. As has been reported to the Chief Engineer in this office No. 79 G.D., dated 8th April 1897, on no account should the jetties be ever extended beyond their present position, as to do so would interfere with and alter the tidal sweep across the mouth of the river.

ORDER—No. 2221 W., dated 14th August 1897.

His Excellency the Governor in Council observes that the Superintending Engineer's report of April last on the work done to the jetties at Cocanada is satisfactory and encouraging.

2. The Superintending Engineer's proposal to stop the extension of the jetties for the present is approved. They should, however, be neatly sectioned, the sectioning to the southern jetty being done when all settlement has ceased, as recommended in the Superintending Engineer's Inspection report of the 20th July 1897.

3. The proposal of the Gódávari District Ports Conservancy Board to purchase a dredger, is under consideration in the Marine Department.

(True Extract.)

(Signed) D. McNEIL CAMPBELL, Colonel, R.E.,
Secretary to Government.

To the Superintending Engineer, I Circle.
„ Examiner, Public Works Accounts.
„ Revenue Department.
„ Marine Department.
„ Financial Department.

GENERAL.
ESTABLISHMENT.

Government {1897} of Madras.

PUBLIC WORKS.

Recd. } 1897. *Enclosures*

Regd. *Spare copies*

G.O., No. 2222 W., 14th August 1897.

AUGUST.

Travelling Allowance

Endorsement from the Examiner forwarding copy of a circular from the Accountant-General, Public Works Department, regarding the inadmissibility of — for journeys undertaken to obtain a medical certificate of fitness for the Indian Army reserve of officers, communicated to officers of the Public Works Department.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Establishment.

Read—the following papers :—

From A. R. BECHER, Esq., Officiating Accountant-General, Public Works Department (Establishment), dated Simla, 20th July 1897, Circular No. 4.

The Examiners of Public Works Accounts, Madras and Coorg, Bombay, Bengal, North-Western Provinces and Oudh, Punjab, Central Provinces, Burma, Assam, Hyderabad, and Rajputana and Central India.
The Examiner of Public Works and Railway Accounts, Baluchistan.
The Examiner of Accounts, Military Works Department.
The Examiner of Telegraph Accounts.
The Examiners of Accounts, North-Western, Oudh and Rohilkhand, Eastern Bengal, East Coast, and Bezwada-Madras State Railways.
The Examiner of Accounts, Bhavnagar-Gondal-Junagadh-Porbandar Railway.
The Examiner of Accounts, State Railway Stores.
The Examiners of Guaranteed Railway Accounts, Madras and Bombay.
The Government Examiners of Accounts, East Indian, Bengal-Nagpur, Southern Mahratta, Indian Midland, Rohilkhand-Kumaon, Southern Punjab, Bengal and North-Western, Assam-Bengal, and Burma Railway Companies.

The following is forwarded to the officers noted in the margin for information and guidance.

Enclosure.

From the Under Secretary to the Government of India, Public Works Department, to the Accountant-General, Public Works Department, dated 8th July 1897, No. 1799 G.

In reply to your docket No. 905 E., dated 28th May 1897, I am directed to state that travelling allowance is inadmissible to an officer for journeys undertaken to obtain a medical certificate of fitness for the Indian Army reserve of officers.

Endorsement from the Examiner, Public Works Accounts, dated 3rd August 1897.

Forwarded to the Chief Engineer, Public Works Department, for information.

Order—No. 2222 W., dated 14th August 1897.

Communicated to officers of the Public Works Department for information.

(True Extract.)

(Signed) D. McNEIL CAMPBELL, Colonel, R.E.,
Secretary to Government.

To the Chief Engineer for Irrigation.
,, Superintending Engineers.
,, the Superintending Engineer on Special Duty.
,, the Consulting Architect to Government.
,, the Executive Engineer, Lighthouse Division.
,, the Examiner, Public Works Accounts.

GENERAL.
ESTABLISHMENT.

Government {1897} of Madras.

PUBLIC WORKS.

Recd.	1897.	*Enclosures*	
Regd.		*Spare copies*	

G.O., No. 2223 W., 14th August 1897.

AUGUST.

Burma Engineer Establishment

Government of India Resolution regarding the transfer of the — from the Local Administration list under the Government of India to a separate Provincial list, and the fixing of cadre numbers and limiting scales for the Burma and Local Administration lists, communicated to the Examiner, Public Works Accounts.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Establishment.

READ—the following paper :—

Resolution of the Government of India, Public Works Department (General), dated Simla, 24th July 1897, No. 1982 G.

Read again—

Government of India (Public Works Dept.) Resolution No. 524 G., dated 20th Feb. 1895.
" " (") " No. 442 G., " 19th " 1896.
" " (") " No. 595 G., " 3rd Mar. 1897.
" " (Home Dept.) Notification, No. 509, 9th April 1897.

Read also—

Letter from Burma, No. 5204-97 E., dated 18th May 1897.

Resolution—In Government of India (Home Department) Resolution, quoted in the preamble, the Administration of Burma was constituted a Lieutenant-Governorship. In consequence of this change it is considered desirable to transfer the existing Public Works Department Engineer establishment, Burma, from the Local Administration list, which, for purposes of promotion, is under the Government of India, to a separate Provincial list under the control of His Honour the Lieutenant-Governor of Burma. The Governor-General in Council is pleased to direct that this transfer shall take effect from the 1st May 1897.

2. In Government of India (Public Works Department) Resolution, No. 595 G., dated 3rd March 1897, the number 130 was fixed as the cadre number on which the scale should be calculated for the regulation of promotion of Executive and Assistant Engineers attached to the Local Administration list. In consequence of the separation of the Burma Engineer establishment from the Local Administration list into a separate Provincial list, as ordered above, it has become necessary to fix a cadre number and limiting scale for that Province and to modify that fixed for the Local Administration list.

The Governor-General in Council is pleased to order that the following shall be the cadre numbers and limiting scales for the two lists, with effect from the 1st May 1897, and pending further orders :—

Lists.	Cadre numbers.	Limiting scale.					
		Executive Engineers.			Assistant Engineers.		
		1	2	3	1	2	3
Burma	70	17	11	7	14	10	11
Local Administrations	60	15	9	6	12	9	9

No. 2223 W., 14TH AUGUST 1897.

The orders of Government in regard to promotions, as quoted in Public Works Resolution No. 595 G., dated 3rd March 1897, and in the previous Resolutions quoted therein, apply wholly to all promotions made against the scales now authorized. Paragraph 3 of the above-quoted Resolution also applies.

Order.—Ordered, that the above Resolution be circulated to the Local Governments, Administration and officers noted in the margin, for information and guidance, and that it be published in Part I of the *Gazette of India.*

The Govts. of Madras and Bombay, Public Works Dept., General and Railway Branches.
The Governments of Bengal, the North-Western Provinces and Oudh and the Punjab.
The Government of Burma, Public Works Department, General and Railway Branches.
The Chief Commissioners of the Central Provinces, Assam and Coorg.
The Resident at Hyderabad.
The Agents to the Governor-General for Rajputana, Central India and Baluchistan.
The Accountant-General, Public Works Department.
The Director-General of Military Works.
The Director-General of Railways.
The Consulting Engineers to the Govt. of India for Rys., Calcutta, Lucknow, and Assam.

(Signed) G. H. D. WALKER,
Under Secretary to the Govt. of India.

To the Secretary to the Government of Madras,
Public Works Department.

ORDER—No. 2223 W., dated 14th August 1897.

Communicated to the Examiner, Public Works Accounts, in continuation of G.O., No. 767 W., dated 16th March 1897.

(True Extract.)

(Signed) D. McNEIL CAMPBELL, Colonel, R.E.,
Secretary to Government.

To the Examiner, Public Works Accounts.
„ Chief Engineer for Irrigation.
„ Consulting Engineer for Railways.

BUILDINGS AND ROADS.
CIVIL WORKS.

Government {1897} of Madras.

PUBLIC WORKS.

Recd. } 1897. *Enclosures*

Regd. *Spare copies*

G.O., No. 2228 W., 16th August 1897.

AUGUST.

Sub-Registrar's office at Valappadi

Estimate of Rs. 2,800 for constructing a — in the Salem district, sanctioned for execution when funds are available.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

Read—the following paper :—

G.O., No. 1002, Judicial, dated 13th July 1897.

Read — the following letter from the Superintending Engineer, IV Circle, Coimbatore, to the Inspector-General of Registration, Madras, dated 24th June 1897, No. 321/M. :—

With reference to the correspondence ending with your letter, No. 1356, dated 5th April 1897, I have the honour to forward herewith, for your approval and transmission to Government for sanction, revised estimate amounting to Rs. 2,800 for constructing a Sub-Registrar's office with a masonry compound wall at Valappadi, Atur taluk, Salem district.

Endorsement of the Inspector-General of Registration, Madras, dated 1st July 1897, G. No. 3448.

Submitted for sanction of Government.

2. The construction of an office building for the Sub-Registrar of Valappadi was sanctioned in G.O., No. 1660, Judicial, dated 8th August 1895.

3. A compound wall is indispensably necessary at Valappadi to prevent men and cattle committing nuisance around the building, which is situated close to a temple (a Mariamman coil) and a cart stand.

Order—No. 1002, Judicial, dated 13th July 1897.

The plans and estimates aggregating Rs. 2,800 are approved and will be transferred to the Public Works Department for execution when funds are available.

(True Extract.)

(Signed) C. H. B. BURLTON,
for Chief Secretary.

Order—No. 2228 W., dated 16th August 1897.

The estimate, amounting to Rs. 2,800, for constructing a Sub-Registrar's office at Valappadi, in the Salem district, is sanctioned for execution when funds are available.

2. This sanction has been registered as Provincial No. 39 W. of 1897-98, and classified as "Civil Buildings—Original Works."

(True Extract.)

(Signed) D. McNEIL CAMPBELL, Colonel, R.E.,
Secretary to Government.

To the Superintending Engineer, IV Circle,
with eleven enclosures.
" Examiner, Public Works Accounts.
" Judicial Department.

BUILDINGS AND ROADS.
CIVIL WORKS.

Government (1897) of Madras.

PUBLIC WORKS.

Recd.	1897.	*Enclosures*
Regd.		*Spare copies*

G.O., No. 2229 W., 16th August 1897.

AUGUST.

"Executive Engineer's Quarters" at Duggirala

The proposal that the transfer of the — to the Forest Department, be cancelled, and that the building be kept on the books of the Public Works Department, as a rest-house for all departments of Government, sanctioned as recommended by the Superintending Engineer.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following papers :—

From Major W. L. C. BADDELEY, R.E., Superintending Engineer, II Circle, to the Chief Engineer, Public Works Department, Madras, dated Bezwada, 12th April 1897, No. 136 K.W.

The building known as Executive Engineer's quarters at Duggirala has been transferred to the Forest Department agreeably to G.O., No. 1592 W., dated 23rd May 1896.

2. The Examiner, Public Works Accounts, in his audit note on the accounts of the Kistna Western division for October 1896, refers to paragraphs 124 to 126, chapter III, volume II, Public Works Code, under which it appears that the sanction of the Government of India is necessary to the transfer, as the building was constructed from Irrigation funds.

3. In these circumstances, I beg to recommend that the transfers be cancelled, and that the building be kept on the books of the Public Works Department as a rest-house for all departments of Government.

Office-note from the Examiner, Public Works Accounts, dated 21st May 1897, No. 1622 D.A.

It is for Government to decide whether the present recommendation of the Superintending Engineer, II Circle, to retain the "Executive Engineer's quarters" at Duggirala on the Public Works Department books should be agreed to. If the building is to be permanently transferred to the Forest Department, the sanction of the Government of India will be necessary under Code volume II, chapter III, pararaph 125. This number of paragraph has been expunged by S.O., No. 119, dated 12th February 1897.

No. 2740 C.

Referred to the Revenue Department for favour of report as to whether there is any objection to the charge of the building being resumed by the Public Works Department. It will continue to be maintained as a rest-house available for officers of all departments.

(Signed) D. McNEIL CAMPBELL, Col., R.E.,
Secretary to Government.

1st June 1897.

Endorsement, R. No. 1087, Revenue.

Referred to the Board of Revenue for early remarks.

(Signed) N. E. MARJORIBANKS,
Ag. Assistant Secretary to Government.

OOTACAMUND,
5th June 1897.

Proceedings of the Board of Revenue (Land Revenue), Forest No. 542, Routine, dated 16th July 1897.

Read—Endorsement of the Acting Assistant Secretary to Government, Revenue Department, R. No. 1087, dated 5th June 1897.

Reference on the above, dated 15th June 1897.

Referred to the Conservator, Northern Circle, for very early remarks.

2. G.O., No. 1592 W., dated 23rd May 1896, quoted in the Superintending Engineer's letter was communicated in Board's Proceedings, Forest Mis. No. 865, dated 16th June 1896.

From A. W. PEET, Esq., Conservator of Forests, Northern Circle, to the Secretary to the Commissioners of Land Revenue, Madras, dated Waltair, 10th July 1897, R.C., No. 2635.

In reply to Board's reference on Forest Register No. 1635 of 1897, dated the 15th June 1897, I have the honour to say that there is no objection to the resumption by the Public Works Department of the building known as the Executive Engineer's quarters at Duggirala. The Collector is also of my opinion.

The enclosures are herewith returned.

Resolution—Forest No. 542, Routine, dated 16th July 1897.

Submitted to Government with reference to its endorsement R. No. 1087, dated 5th June 1897.

(True Copy and Extract.)

(Signed) R. C. C. CARR,
Secretary.

Endorsement, Mis. No. 3944, Revenue.

Transferred to the Public Works Department with an expression of concurrence in the Conservator's remarks.

OOTACAMUND,
29th July 1897.

(Signed) N. E. MARJORIBANKS,
Ag. Assistant Secretary to Government.

ORDER—No. 2229 W., dated 16th August 1897.

Sanctioned as recommended by the Superintending Engineer.

(True Extract.)

(Signed) D. McNEIL CAMPBELL, Colonel, R.E.,
Secretary to Government.

To the Superintending Engineer, II Circle.
" Examiner, Public Works Accounts.
" Revenue Department.

BUILDINGS AND ROADS.
CIVIL WORKS.

Government {1897} of Madras.

PUBLIC WORKS.

Recd. } 1897. *Enclosures*

Regd. *Spare copies*

G.O., No. 2231 W., 16th August 1897.

AUGUST.

Road

Revised estimate of Rs. 11,653 for gravelling the — from Pulivela to Mukkamala in the Gódávari district, sanctioned.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following paper :—

From V. A. BRODIE, Esq., President, District Board, Gódávari, to the Secretary to Government, Local and Municipal Department, dated 28th June 1897, Ref. on Cur. No. 797 D.B.

In enclosing a copy of letter, No. 604, dated 4th May 1897, from the President, Taluk Board, Rajahmundry, I have the honour to request that Government will be pleased to accord its sanction to the estimate referred to in the Taluk Board President's letter quoted above, the same having been sanctioned by the District Board in its Resolution No. 4, dated 26th June 1897 (*vide* copy enclosed).

No. 741, Local and Municipal.

Transferred to the Public Works Department.

(Signed) G. S. FORBES,
Secretary to Government.

12th July 1897.

ORDER—No. 2231 W., dated 16th August 1897.

The revised estimate, amounting to Rs. 11,653, for gravelling the road from Pulivela to Mukkamala in the Gódávari district is sanctioned in supersession of the estimate of Rs. 9,150 sanctioned in G.O., No. 3076 W., dated 19th December 1885.

2. This sanction has been registered as Local No. 8 W. of 1897-98.

(True Extract.)

(Signed) D. McNEIL CAMPBELL, Colonel, R.E.,
Secretary to Government.

To the Superintending Engineer, I Circle.
„ Local and Municipal Department, with five enclosures.

BUILDINGS AND ROADS.
CIVIL WORKS.

Government (1897) of Madras.

PUBLIC WORKS.

Recd.	1897.	*Enclosures*
Regd.		*Spare copies*

G.O., No. 2232 W., 16th August 1897.

AUGUST.

Drainage

Estimate of Rs. 6,250 for the — of Solayappamudali street, Kumbakónam, sanctioned for execution by the Public Works Department.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

Read—the following papers :—

From Lieutenant-Colonel C. C. Rawson, R.E., Superintending Engineer, V Circle, to the Chairman, Municipal Council, Kumbakónam, dated Camp Chembarambakam, 10th December 1896, No. 142 M./C.

With reference to your letter, No. 613, dated 5th instant, I have the honour to return the plan and estimate for draining Solayappamudali street, with the following remarks.

2. The rates appear reasonable and the levels have been checked and found correct.

3. The sewage water, however, after being filtered, is shown as passing into the Varaha tank, which is a square masonry built one, used for drinking purposes. On sanitary grounds, this arrangement is objectionable, as although passed through a filter bed, the water must be largely contaminated and unfit for consumption. In my opinion, the sewage water should be diverted and not allowed into the tank.

4. The Olloor channel marked on the survey as entering the Varaha tank, is not the real Olloor channel which lies further south. It is the Thepperamanellore drainage from the nunjah fields on the west.

5. The sewage well and filter are built on very low ground, the level of overflow of the well being 1·50 below the M.F.L. of the site during the north-east monsoon. The ordinary flood level is 55·81, or the same level as the top of the banks of the overflow drainage; in monsoon weather, therefore, these banks would be under water.

No. 126 W./C.

Copy submitted to the Chief Engineer, Public Works Department, for information with reference to G.O., No. 2060 W., dated 16th July 1896.

10th December 1896. (Signed) C. C. RAWSON, Lieut.-Col., R.E.,
Suptg. Engineer, V Circle.

No. 4994 C.

Recorded, pending receipt of the remarks of the Municipal Council on the Superintending Engineer's suggestions.

19th December 1896. (Signed) D. McNEIL CAMPBELL, Col., R.E.,
Chief Engineer.

From Lieutenant-Colonel C. C. RAWSON, R.E., Superintending Engineer, V Circle, to the Chief Engineer, Public Works Department, dated Chepâk, 20th March 1897, No. 99 W.

With reference to your No. 4994 C., dated 19th December 1896, I have the honour to submit plans and estimate for the drainage of Solayappamudali street, Kumbakónam, and to request that they may be sent to the Sanitary Engineer for remarks. I would suggest that the overfall sewer be closed in to keep out flood water; the section shown by Mr. Norfor does not commend itself to me. Mr. Norfor's remarks about the overflow of the unfiltered sewage mixing with the filtered sewage also, I think, deserve consideration by the Sanitary Engineer.

2. Copy of the letter received from Mr. Norfor on the subject is enclosed for information.

No. 1749 C.

Forwarded to the Sanitary Engineer for favour of remarks.

(Signed) D. McNEIL CAMPBELL, Col., R.E.,
Chief Engineer.

26th March 1897.

From J. A. JONES, Esq., MEM. INST. C.E., F.R.S.E., Sanitary Engineer to Government, to the Chief Engineer, Public Works Department, dated 30th March 1897, No. 633.

In reply to your reference No. 1749, dated 26th March 1897, I have the honour to inform you that I am unable to agree with the opinion expressed by Mr. Norfor.

2. He gives no reason for raising the overflow level of the outlet from well and there is a valid reason against his proposal, viz., that the sewer would require *to be more than full* before his overflow could come into operation, the level of the highest part of the sewer being 56·50, while the centre proposed outlet is placed at 57·00. I would rather see the outlet lowered than raised, but it was placed as low as it could be; the less pressure which can be put on the inside of the sewer, the better.

3. With regard to his latter proposal I fail to see the advantage of it. Floods, and especially maximum floods, will occur seldom, and when they do occur it may be taken that there will be no baling of sewage, because it would be useless to clarify sewage that would be much diluted and was to be passed into a large flooded area $1\frac{2}{3}$ to $3\frac{1}{4}$ feet deep, which floods must form a lake over a very large area. If the outlet channel has its bank raised as proposed, the only effect will be that the sewage water during the time of floods will join the flood close to the well instead of a hundred feet further away. The channel into which the filtered sewage will ordinarily discharge would then be no longer a channel or discoverable as one.

4. Nor need the further point be considered, viz., the mixture of filtered and unfiltered sewage; for, as before stated, the sewer will run full and overflow only during heavy rainfall or floods, and at such time it will be impossible to pass the quantity of sewage flowing in the sewer through the sewage filter, and to bail only a minor proportion of the sewage while the majority was otherwise flowing away, would be a useless proceeding.

5. Holding these views, therefore, I fail to see the advantage of Mr. Norfor's proposals.

From Lieutenant-Colonel C. C. RAWSON, R.E., Superintending Engineer, V Circle, to the Chief Engineer, Public Works Department, dated Lower Anicut, 28th May 1897, No. 97 W.C.

With reference to paragraph 2 of G.O., No. 2060 W., dated 16th July 1896, I have the honour to submit, for sanction, the enclosed estimate of Rs. 6,250 for the drainage of Solayappamudali street, Kumbakónam.

From Lieutenant-Colonel C. C. RAWSON, R.E., Superintending Engineer, V Circle, to the Chief Engineer, Public Works Department, dated Chepâk, 24th July 1897, No. 280 W.

With reference to your memo., No. 3011 C., dated 30th June 1897, I have the honour to submit the necessary data, in support of the rates allowed for certain items in the estimate for improving the drainage of Solayappamudali street, Kumbakónam.

ORDER—No. 2232 W., dated 16th August 1897.

The estimate amounting to Rs. 6,250 for the drainage of Solayappamudali street, Kumbakónam, is sanctioned for execution by the Public Works Department. The work will be carried out in accordance with the provisions of paragraph 79 *et seq.*, chapter IX, Volume I, of the Public Works Code.

(True Extract.)

(Signed) D. McNEIL CAMPBELL, Colonel, R.E.,
Secretary to Government.

To the Superintending Engineer, V Circle, with six enclosures.
,, Examiner, Public Works Accounts.
,, Local and Municipal Department.

BUILDINGS AND ROADS.
CIVIL WORKS.

Government {1897} of Madras.

PUBLIC WORKS.

Recd. } 1897. *Enclosures*

Regd. *Spare copies*

G.O., No. 2233 W., 16th August 1897.

AUGUST.

Outfall Main Drain near Fort St. George

Sanctioning the lump sum estimate of Rs. 9,000 for extending the —, Madras.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

Read—the following paper :—

From G. S. T. HARRIS, Esq., Consulting Architect to the Government of Madras, to the Chief Engineer, Public Works Department, dated Chepâk, 6th July 1897, No. 919.

With reference to G.O., No. 1745 W., dated 1st July 1897, on the divisional statement of objectionable item statement of this division for March 1897, I have the honour to submit, for formal sanction of Government, an estimate for Rs. 9,000 for "extending the outfall main drain, Fort."

Order—No. 2233 W., dated 16th August 1897.

The lump sum estimate of Rs. 9,000 for extending the outfall main drain near Fort St. George, Madras, is sanctioned.

2. This sanction has been registered as Provincial No. 40 W. of 1897–98, and classified as Miscellaneous Public Improvements—Original Works.

(True Extract.)

(Signed) D. McNEIL CAMPBELL, Colonel, R.E.,
Secretary to Government.

To the Consulting Architect to Government, with the estimate.
„ Examiner, Public Works Accounts.
„ Marine Department.

BUILDINGS AND ROADS.
CIVIL WORKS.

Government (1897) of Madras.

PUBLIC WORKS.

Recd.	1897.	*Enclosures*
Regd.		*Spare copies*

G.O., No. 2234 W., 16th August 1897.

AUGUST.

Building in the Chingleput Fort

Estimate of Rs. 8,243, being the value of the — purchased for use as certain public offices, sanctioned.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

Read—the following paper :—

From Lieutenant-Colonel C. C. RAWSON, R.E., Superintending Engineer, V Circle, to the Chief Engineer, Public Works Department, dated Chepâk, 24th July 1897, No. 277 W.

Adverting to orders passed in G.O., No. 1628 W., dated 14th June 1897, against item 3 of the Provincial Statement of Objectionable Items remaining unremedied to end of February 1897, General Branch, I have the honour to submit herewith, for sanction, the enclosed estimate of Rs. 8,243 for the building in the Fort, Chingleput, purchased for the use of the Sub-divisional office, sub-jail, &c., under the orders conveyed in G.O., No. 273 W., dated 23rd January 1896.

Order—No. 2234 W., dated 16th August 1897.

The estimate of Rs. 8,243, being the value of the building in the Chingleput Fort purchased for use as certain public offices, is sanctioned.

2. This sanction has been registered as Provincial No. 41 W. of 1897–98, and classified as Civil Buildings—Original Works.

(True Extract.)

(Signed) D. McNEIL CAMPBELL, Colonel, R.E.,
Secretary to Government.

To the Superintending Engineer, V Circle,
with one enclosure.
" Examiner, Public Works Accounts.
" Judicial Department.

BUILDINGS AND ROADS.
CIVIL WORKS.

Government (1897) of Madras.

PUBLIC WORKS.

Recd.	1897.	*Enclosures*	
Regd.		*Spare copies*	

G.O., No. 2235 W., 16th August 1897.

AUGUST.

Palghat Fort

Proceedings, Revenue Department, concurring in the opinion of the Board of Revenue that the repairs connected with the — should be entrusted to the Public Works Department instead of being carried out as heretofore by the Revenue Department, communicated to Superintending Engineer, IV Circle, with direction to assume charge of the maintenance of the fort.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

Read—the following papers:—

From J. HANNAN, Esq., Superintending Engineer, IV Circle, No. 149 W., dated 13th March 1897, submitting his inspection notes for the months of February and March 1897:—

* * * * *

15th February 1897.—Inspected the fort at Palghat and Government offices situated therein. The walls of the fort are getting covered with jungle. This should be eradicated, otherwise it will lead to the destruction of the walls. This clearance, I am told, is done from time to time by the revenue authorities who have charge of the fort, but evidently it is done in a very perfunctory way probably from want of funds. It would, I think, be better if the fort were looked after by the Public Works Department.

Endorsement No. 1584 C.

Recorded. The remarks regarding the fort at Palghat will be submitted to Government in the Revenue Department for consideration.

(Signed) D. McNEIL CAMPBELL, Col., R.E.,
Chief Engineer.

19th March 1897.

G.O., Mis. No. 4056, Revenue, dated 4th August 1897.

Read—the following papers:—

Proceedings of the Board of Revenue (Land Revenue), dated 22nd July 1897, Mis. No. 2749:—

Read—again Board's Proceedings, Mis. No. 1154, dated 26th March 1897, communicating to the Collector of Malabar for report Government Order regarding repairs to be carried out to the fort at Palghat.

Read—also Official Memorandum from Government, Revenue Department, No. 158, dated 31st May 1897.

Reference on the above, dated 4th June 1897.

Forwarded to the Collector of Malabar who is requested to submit, at an early date, the report called for in Board's Proceedings, Mis. No. 1154, dated 26th March 1897.

From G. W. DANCE, Esq., Acting Collector of Malabar, to the Secretary to the Commissioners of Land Revenue, Madras, dated 16th June 1897, No. 1424 Pub.

In reply to Board's Proceedings, Mis. No. 1154, dated 26th March 1897, I have the honour to state that a sum of Rs. 27 was expended last year in removing the vegetation from the walls of the Palghat fort. The Tahsildar reports that "the amount was found adequate to remove only the overgrowth. The roots of the plants have penetrated deep into the fissures and crevices in the walls and these are found difficult to remove, the result being that the plants are growing again on the walls. I do not find a way to remove the roots unless the granite stones with which the walls are built are removed. This can be effected only with a large expenditure."

2. The matter has been neglected too long; but the roots could probably be destroyed, either by dropping quicklime on to them through the crevices in the walls, or by drilling holes in the roots and filling them with mercury. The latter method would probably be more expensive. Perhaps the Board knows of some better expedient.

Reference on the above, dated 24th June 1897.

The Collector is requested to return the enclosure forwarded to him in original with Board's Proceedings, No. 1154, dated 26th March 1897.

From the Collector of Malabar, dated 29th June 1897, No. 1543 Pub.

Adverting to Board's Reference, dated 24th instant, on General No. 2987 of 1897, I have the honour to return herewith the enclosure to Board's Proceedings, No. 1154, dated 26th March 1897.

Reference on the above, dated 7th July 1897.

The Colleetor is requested to report, at an early date, whether there is any objection to the proposal of the Superintending Engineer to entrust the repairs of the Palghat Fort to the Public Works Department instead of to the Revenue Department as hitherto.

From the Collector of Malabar, dated 12th July 1897, No. 1681 Pub.

Adverting to Board's Reference, dated 7th instant, on General No. 2987 of 1897, I have the honour to state that there is no objection to the proposal to entrust the repairs of the Palghat Fort to the Public Works Department.

2. The enclosure to the Board's Reference is herewith returned.

Resolution—dated 22nd July 1897, Mis. No. 2749.

Submitted to Government with reference to its order No. 605, Revenue, dated 24th March 1897.

2. The Board agrees with the Superintending Engineer, IV Circle, in considering that the repairs of the Palghat Fort should be entrusted to the Public Works Department instead of to the Revenue Department as hitherto.

(True Copies and Extract.)

(Signed) L. D. SWAMIKANNU,
for Secretary.

Order—Mis. No. 4056, Revenue, dated 4th August 1897.

Transferred to the Public Works Department with reference to its endorsement, No. 1584 C., dated 19th March 1897, and with an expression of concurrence in the opinion expressed in paragraph 2 of the Board's Proceedings that the repairs connected with the Palghat Fort should be entrusted to the Public Works Department instead of being carried out as heretofore by the Revenue Department.

(True Extract.)

(Signed) F. J. WILSON,
for Ag. Secretary to Government.

ORDER—No. 2235 W., dated 16th August 1897.

Communicated to the Superintending Engineer, IV Circle, who will assume charge of the maintenance of the fort.

(True Extract.)

(Signed) D. McNEIL CAMPBELL, Colonel, R.E.,
Secretary to Government.

To the Superintending Engineer, IV Circle.
" Examiner, Public Works Accounts.
" Revenue Department.

GENERAL.
ESTABLISHMENT.

Government {1897} of Madras.

PUBLIC WORKS.

Recd.	1897.	*Enclosures*	
Regd.		*Spare copies*	

G.O., No. 2256 W., 17th August 1897.

AUGUST.

Instruction of Junior Civilians and Probationary Deputy Collectors in Plan-drawing and Estimating

Approving the rules for the — in Executive Engineers' offices, amended as suggested by the Board of Revenue, and circulating them to officers concerned for guidance.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Establishment.

Read—again the following paper:—

G.O., No. 514, Revenue, dated 8th October 1896.

Order—No. 514, Revenue, dated 8th October 1896.

* * * * *

6. The next subject for consideration is the training of young Civilians in the field. This is referred to in sub-paragraph (1) of the memorandum accompanying Sir Edward Buck's letter, No. 12, dated 20th November 1895, which suggests the discussion of the question whether any modification of the present system is desirable. The opinion of the Conference on this point was that the existing rules which are embodied in the appendix to the memorandum of discussions are sufficient. It was however suggested that junior Civilians might, with advantage, also receive training in the Executive Engineer's office in estimating and plan-drawing in respect of elementary work, and the Board now endorses that suggestion. Junior Civilians have frequent occasions in their capacities as Revenue Divisional-officers and Taluk Board Presidents to scrutinize estimates for minor irrigation works, the maintenance of communications, famine-relief works and works of petty construction and repairs, and there can be no question as to the advantage which they would derive from receiving training of the character suggested. The proposal is accordingly approved and the Board will be requested to draw up detailed instructions in the matter and to submit definite proposals for the sanction of Government in the Public Works Department. Before passing on to the next subject, the Government desires further to request the Board again to draw the attention of Collectors to Board's Proceedings (Land Revenue), No. 630, dated 16th July 1888, and to Board's Proceedings (Land Revenue), No. 835, dated 26th September 1888, and to arrange, as far as may be possible, that junior Civilians shall, in future, receive a thorough course of instruction in the duties of a Revenue officer.

* * * * *

(True Extract.)

(Signed) G. STOKES,
Ag. Secretary to Govt.

Read—also the following papers:—

Proceedings of the Board of Revenue (Land Revenue), No. 448, dated 1st December 1896.

Resolution—No. 448, dated 1st December 1896.

* * * * *

3. In regard to the training to be given to junior Civilians in estimating and plan-drawing under paragraph 6 of the Government Order, the Chief Engineer is requested to favour the Board with his opinion as to what arrangements can be made in Executive Engineers' offices for providing the requisite instruction. The Board would

suggest that the detailed instructions called for by Government should be drawn up in the Chief Engineer's office and forwarded to the Board for such amendments or additions as may be considered desirable. The final draft can then be submitted for the formal sanction of Government in the Public Works Department.

The Board takes this opportunity to suggest that the rules regarding the training of junior Civilians in estimating and plan-drawing may be made applicable also to probationary Deputy Collectors.

* * * * *

(True Extract.)

(Signed) R. C. C. CARR,
Secretary.

To the Board of Revenue (Land Revenue), dated 6th February 1897, No. 757 C.
Proceedings of the Board of Revenue (Land Revenue), Mis. No. 797, dated 3rd March 1897.
To the Board of Revenue (Land Revenue), dated 17th March 1897, No. 1528 C.

Proceedings of the Board of Revenue (Land Revenue), Mis. No. 1089, dated 22nd March 1897.

Read—letter from the Chief Engineer, Public Works Department, dated 17th March 1897, No. 1528 C.

Resolution—Mis. No. 1089, dated 22nd March 1897.

The draft rules regarding the training of junior Civilians and probationary Deputy Collectors in estimating and plan-drawing received with the Chief Engineer's letter read above will be submitted for the approval of Government with reference to paragraph 3 of Board's Proceedings, No. 448, dated 1st December 1896.

2. The Board considers that the period of training may be fixed at one month.

(True Extract.)

(Signed) R. C. C. CARR,
Secretary.

No. 3267 C.

With reference to paragraph 2 of the Proceedings of the Board of Revenue (Land Revenue), Mis. No. 1089, dated 22nd March 1897, I have the honour to forward a copy of the draft rules for the instruction of junior Civilians and probationary Deputy Collectors in plan-drawing and estimating which were laid before Government, and to state that Government considers it unnecessary that well-educated men should devote the whole of their time for a month in learning these subjects, but that an hour a day for that period with no interruption of other work would suffice. I am of the same opinion, and it is probable that the Public Works staff could not afford more time for teaching the officers in question. Before submitting the rules for final orders, I have the honour to request that the Board will be so good as to state whether it has any remarks to offer on this point and on the draft rules generally as revised.

(Signed) D. McNEIL CAMPBELL, Col., R.E.,
Chief Engineer.

21st July 1897.

To the Secretary to the Board of Revenue (Land Revenue).

Proceedings of the Board of Revenue (Land Revenue), Mis. No. 2789, dated 24th July 1897.

Read—letter from the Under Secretary to Government, Public Works Department, dated 21st July 1897, No. 3267 C.

Resolution—Mis. No. 2789, dated 24th July 1897.

The Board accepts the suggestion to restrict the training to an hour each day and would recommend the substitution of the following for paragraphs 1 and 2 of the revised draft rules received with the letter read above:—

(1) Every junior Civilian and every probationary Deputy Collector will undergo a month's course of instruction in plan-drawing and estimating in the office of an Executive Engineer in the district in which he may be serving.

(2) The instruction will last for an hour each day, and the time should be so fixed as not to prejudice the officer's ordinary duties.

(3) Due notice will be given to the Executive Engineer concerned of the deputation of an officer for instruction.

2. The Board would omit the rule placing the junior Civilians and Deputy Collectors entirely under the orders of the Executive Engineer. They are the Collector's subordinates, and if the training can be given in the district in which they happen to be serving, there is no need to place them under any other officer. The Collector and the Executive Engineer can jointly arrange for the attendance of the officers to be instructed.

(True Extract.)

(Signed) R. C. C. CARR,
Secretary.

ORDER—No. 2256 W., dated 17th August 1897.

The rules, amended as suggested by the Board of Revenue, are approved and will be circulated to officers concerned for information and guidance.

(True Extract.)

(Signed) D. McNEIL CAMPBELL, Colonel, R.E.,
Secretary to Government.

To Superintending Engineers.
,, the Consulting Architect to Government.
,, the Revenue Department.

APPENDIX.

Rules for the instruction of Junior Civilians and Probationary Deputy Collectors in plan-drawing and estimating in Executive Engineer's offices.

Every junior Civilian and every probationary Deputy Collector will undergo a month's course of instruction in plan-drawing and estimating in the office of an Executive Engineer in the district in which he may be serving.

2. The instruction will last for an hour each day, and the time should be so fixed as not to prejudice the officer's ordinary duties.

3. Due notice will be given to the Executive Engineer concerned of the deputation of an officer for instruction.

4. The Executive Engineer should take a personal interest in the training of the officers placed under him for instruction, and should see that their time is properly utilized. If possible, the Executive Engineer will depute an intelligent upper subordinate to give the requisite instruction.

5. Executive Engineers to whom officers are sent for instruction will, on completion of the period of training, furnish the Board of Revenue with a brief report on the progress of each officer and of the nature of the instruction afforded to him.

(Signed) D. McNEIL CAMPBELL, Colonel, R.E.,
Chief Engineer.

GENERAL.
ACCOUNT.

Government {1897} of Madras.

PUBLIC WORKS.

Recd. } 1897. *Enclosures*

Regd. *Spare copies*

G.O., No. 2265 W., 18th August 1897.

AUGUST.

Local purchase of European Stores.

Sanctioning the — required for use in Kistna Northern division remarking that, as regards repairs to floating plant at any rate, the requirements should have been foreseen in time to have procured English stores by indent on the Home Government, and requesting the Chief Engineer for Irrigation to submit his opinion in regard to the advisableness of locally purchasing the iron required for providing falling shutters to the Kistna anicut.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

Read—the following papers:—

Endorsement of the Superintending Engineer, II Circle, dated 8th June 1897, No. 765 K.N.

Forwarded to the Chief Engineer, Public Works Department, for favour of sanction of Government being obtained.

2. It was impossible to foresee the necessity of providing falling shutters to the Kistna anicut and it was essential that the experimental ones should be fitted before the river rose this year.

3. There is no iron available for making the complete set of shutters for the whole length of the crest, and as the exact sizes of iron cannot be decided on until the result of the experiments is known (which will be towards the end of the year), irrigation interests to the extent of many thousands of acres will clash with the orders prohibiting local purchases.

4. A further report will be sent in on this subject, as the risk to the water-supply of the delta by leaving the crest 2 feet lower than it ought to be, will be very great. This year the risk is unavoidable; but next year it would be advisable to permit the local purchase of the iron for the shutters, if the Public Works Stores cannot supply and if it is found impossible to send home an indent sufficiently early to *make certain* that the shutters will be all erected before the irrigation season of 1898–99.

5. As regards the punts for the Cockburn dredgers, the Executive Engineer was only too anxious to bring this valuable plant into use. It is now lying unused for want of punts to mount it upon.

6. The floating plant could not be left unrepaired, as this would mean stoppage of work throughout the deltas.

Stringent orders have been issued by the undersigned on G.O., No. 1142 W., dated 3rd May 1897, and every effort will be made to comply with the rules; but in certain cases the rules and the interests of Government will not be in accord; and where serious responsibility is involved, such as delay in putting the Kistna anicut into order, this responsibility cannot be placed upon the Executive Engineer.

(Signed) W. M. ELLIS,
for Supg. Engineer, II Circle.

No. 2906 C.

Forwarded to the Superintending Engineer, V Circle, with the request that the "estimated cost, if obtained through the India Office" in the cases marked "not known," may be entered if possible.

16th June 1897. (Signed) C. H. B. BURLTON,
Deputy Chief Engineer.

From Lieutenant-Colonel C. C. RAWSON, R.E., Superintending Engineer, V Circle, to the Chief Engineer, Public Works Department, dated Chepâk, 27th July 1897, No. 288 W.

With reference to your endorsement No. 2906 C., dated 16th June 1897, herewith returned, I have the honour to state "that the estimated cost, if obtained through the India Office" in the application for the local purchase of certain European stores in the Kistna Northern division, forwarded therewith, has been filled in.

2. The following articles included in the application referred to above are available in the Public Works Stores:—

Linseed oil, boiled ...	100	gals.
" raw ...	25	"
Silicate white paint paste No. 1 ...	56	lb.
Copal varnish ...	4	gals.
Vermilion ...	3½	lb.

ORDER—No. 2265 W., dated 18th August 1897.

The articles enumerated in the list submitted by the Superintending Engineer, II Circle, having already been procured, their local purchase is sanctioned under clause 2, rule 3, Appendix X, Volume II, Public Works Code.

2. It appears to the Government that, as regards repairs to floating plant at any rate, the requirements should have been foreseen in time to have procured English stores by indent on the Home Government. Some of the articles required for this service were available in the Public Works Stores, Madras, and might have been obtained from there if proper inquiries had been made.

3. The Chief Engineer for Irrigation will submit his opinion on the proposal in paragraph 4 of the endorsement from the Superintending Engineer, II Circle.

(True Extract.)

(Signed) D. McNEIL CAMPBELL, Colonel, R.E.,
Secretary to Government.

To the Superintending Engineer, II Circle.
" " " V "
" Chief Engineer for Irrigation.
" Examiner, Public Works Accounts, with statement for note and return.

BUILDINGS AND ROADS.
CIVIL WORKS.

Government {1897} of Madras.

PUBLIC WORKS.

Recd.	1897.	*Enclosures*	
Regd.		*Spare copies*	

G.O., No. 2269 W., 18th August 1897.

AUGUST.

The Nilgiri Volunteer Rifles

Directing, with remarks, that the boundaries approved by the Collector for the sergeant-major's quarters, the sale of which to — was sanctioned in G.O., No. 652 W., dated 6th March 1897, be adhered to, and concurring in the views of the Executive Engineer on the subject of the grant of an entrance from the armoury into the Jail yard.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

Read—the following papers:—

From the Executive Engineer, Coimbatore division, to the Superintending Engineer, IV Circle, dated 19th July 1897, No. 2845.

In G.O., No. 652 W., dated 6th March 1897, I was instructed to convey the building occupied by the sergeant-major, Nilgiri Volunteer Rifles, to the corps, and in communication with the Collector and the Commandant to settle the boundaries of its compound.

2. I enclose two tracings—one marked A showing the armoury and sergeant-major's quarters and the compound L G H M L as approved by the Collector; the other marked B showing the same buildings and the compound A B C D E F G H J K A as desired by the Commandant.

I also enclose copies of Collector's letters, Nos. 892 of 9th and 12th July 1897.

3. The Collector's contention that the compound should be restricted to that required for the sergeant-major's quarters is in accordance with the Government order, but the demand made by the Commandant is very different from what the Collector approves of, and as it is based on grounds which seem reasonable, I think it advisable to ask for orders on the subject.

4. The reasons given by the Commandant as personally expressed to me are, as far as I remember, as follows:—

(1) A drill ground is required near the armoury.

(2) A building is now rented at a cost of Rs. 35 per month for Sergeant Taylor. He ought to be located near the armoury, and the corps propose to build quarters for him in the corner of the proposed compound near E.

(3) The armoury is frequently used as a place of public entertainment. Space is required for packing carriages near it, and this space and the slope below it should be under the control of the corps.

5. The Commandant desires to have an entrance made in the main wall of the Jail at K and a screen wall built up in the Jail yard to form a passage and means of access from the road at K to the existing back door of the armoury at X tracing (B). I consider this request should not be granted.

The corps can arrange for an entrance on the upper or lower floor of the armoury near J and can drive round to such an entrance, and I believe that the corps were never intended to have an entrance from the armoury into the Jail yard and that they should be required to close the existing back door in a permanent and satisfactory manner. The Collector agrees with me in this view (*vide* paragraph 3 of his letter No. 892, dated 9th July 1897).

6. If the larger compound is granted to the corps, it may be advisable for Government to retain a right of way for themselves and any parties who may claim through them from the road near B past the armoury and through the boundary line D E (tracing B), as Government may see fit at some future time to erect buildings on the north side of the hill below the District Jail, and this may be the most convenient way to get to such buildings.

7. On receipt of final orders, I propose to ask the Government Solicitor to draw up the necessary legal documents.

Enclosures.

From the Collector of Nilgiris, to the Executive Engineer, Coimbatore division, dated 9th July 1897, No. 892.

In reply to your letter No. 2612, dated 1st July 1897, I have the honour to point out that I must take objection to the compound suggested in your sketch, as G.O., No. 652 W., dated 6th March, contemplates the grant of a compound, not for the armoury, but only for the building occupied by the sergeant-major.

2. I would suggest a line marked in your sketch by the measurements 24, 67, 65, 30, 43 and 81.

3. I agree with the view you express in paragraph 5.

4. The letter you quote in paragraph 2 was not forwarded.

From the Collector of Nilgiris, to the Executive Engineer, Coimbatore division, dated 12th July 1897, No. 892.

In continuation of my letter, No. 892 of the 9th instant, I have the honour to say, on consideration, that in my opinion the compound of the sergeant-major's quarters should not extend beyond the blue line on the plan which I return to you.

No. 407/W.

Copy forwarded to the Chief Engineer, Public Works Department, for favour of orders.

(Signed) J. HANNAN,
Supg. Engineer, IV Circle.

23rd July 1897.

Order—No. 2269 W., dated 18th August 1897.

The sale to the Nilgiri Volunteer Rifles of the sergeant-major's quarters sanctioned in G.O., No. 652 W., dated 6th March 1897, included the grant of only so much land as would be required as a compound for the quarters. The boundaries approved by the Collector must therefore be adhered to.

2. The need for additional land for a drill ground and for a site for quarters for a sergeant instructor, is quite a separate matter and application for the same should be made through His Excellency the Lieutenant-General Commanding the Forces.

3. The Government concurs in the views expressed in paragraph 5 of the Executive Engineer's letter.

(True Extract.)

(Signed) D. McNEIL CAMPBELL, Colonel, R.E.,
Secretary to Government.

To the Superintending Engineer, IV Circle, with two plans.
,, Revenue Department.
Copy to the Deputy Adjutant-General, Madras Command,
for the information of His Excellency the
Lieutenant-General Commanding the Forces.

BUILDINGS AND ROADS.
CIVIL WORKS.

Government {1897} of Madras.

PUBLIC WORKS.

Recd.
} 1897.
Regd.

Enclosures

Spare copies

G.O., No. 2283 W., 20th August 1897.

AUGUST,

The building in the Tellicherry Fort occupied by the Sub-Collector's office

The transfer of the portion of — to the Salt, Abkári and Customs Department, sanctioned.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

Read—the following papers :—

G.O., Mis. No. 4069, Revenue, dated 5th August 1897.

Read—the following Proceedings of the Board of Revenue (Separate Revenue), Mis. No. 3188, dated 27th July 1897 :—

Read—the following letter from C. M. SHERMAN, Esq., Acting Assistant Commissioner of Salt, Abkári and Customs Revenue, Calicut Sub-division, to the Executive Engineer, West Coast Division, Calicut, dated 16th June 1897, No. 2553 :—

I have the honour to request that the portion of the building in the Tellicherry Fort now occupied by the Sub-Collector may be handed over to the department when it becomes vacant in lieu of the rooms now occupied by the Tellicherry Circle office, which are now inconveniently situated, as the office is in two detached rooms of the fort building ; besides, owing to accumulation of records, the present accommodation is hardly adequate.

2. I enclose a sketch plan of building. Rooms A, B and C are now occupied by the Inspector, Tellicherry Circle, L.P.R. by Sub-Collector's office.

No. 361 S.E.

Copy forwarded to the Superintending Engineer, IV Circle, for sanction to the transfer of the building to the Salt, Abkári and Customs Department.

2. The building is borne as No. 4 Provincial, Kottayam taluk, in the register of buildings.

3. The new Sub-Collector's office at Tellicherry is completed and will be ready for occupation in a few days.

21st June 1897. (Signed) C. W. WOOD, Executive Engineer.

No. 347/W.

Submitted to the Chief Engineer, Public Works Department, for favour of sanction.

28th June 1897. (Signed) J. HANNAN, Superintending Engineer, IV Circle.

No. 3131 C.

Referred to the Revenue Department for approval.

8th July 1897. (Signed) D. McNEIL CAMPBELL, Colonel, R.E., Secretary to Government.

No. 1323 R., Revenue.

Referred to the Board of Revenue for remarks.

14th July 1897.

(Signed) G. STOKES,
Acting Secretary to Government.

Resolution—Mis. No. 3188, dated 27th July 1897.

With reference to the endorsement read above the Board requests that the portion of the building occupied by the Sub-Collector's office may be transferred to the Salt, Abkári and Customs Department.

2. Mr. Sherman should not have applied direct, but should have addressed the Board through the Deputy Commissioner.

3. It is requested that the plan may be returned to the Board when no longer required.

(True Copy and Extract.)

(Signed) EDMUND MILLETT,
Assistant Secretary.

Order—Mis. No. 4069, Revenue, dated 5th August 1897.

Transferred to the Public Works Department with reference to its endorsement No. 3131 C., dated 8th July 1897, and with the remark that the proposed transfer of the building to the Salt, Abkári and Customs Department is approved.

(True Extract.)

(Signed) F. J. WILSON,
for Ag. Secretary to Government.

ORDER—No. 2283 W., dated 20th August 1897.

The transfer is sanctioned.

(True Extract.)

(Signed) D. McNEIL CAMPBELL, Colonel, R.E.,
Secretary to Government.

To the Superintending Engineer, IV Circle.
„ Examiner, Public Works Accounts.
„ Revenue Department, with plan.

BUILDINGS AND ROADS.
CIVIL WORKS.

Government (1897) of Madras.

PUBLIC WORKS.

Recd. } 1897. *Enclosures*

Regd. } *Spare copies*

G.O., No. 2284 W., 20th August 1897.

AUGUST.

Tuticorin Port Improvements

Calling for the opinion of the Collector on the remarks of the Agent, South Indian Railway, as to the site selected for the shed for examination of passengers' baggage at Tuticorin, leaving the question of the best position for the railway sidings and turn-table to the decision of the officers of the Railway; and directing the Superintending Engineer to submit a detailed estimate of the cost of fencing the foreshore.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

Read—the following papers:—

Proceedings of the Board of Revenue (Separate Revenue), Mis. No. 4662, dated 7th November 1896.

Read—the following papers:—
From the Collector of Tinnevelly (through the Presidency Port Officer, Madras), dated 1st July 1896, Ref. D. on Cur. No. 490 E.:—

I have the honour to seek the orders of the Board and Government on the following matters connected with the construction of the new pier at Tuticorin and the reclamation of the adjacent foreshore, sanctioned generally in G.O., No. 2794 W., dated 2nd November 1893, communicated with Board's Proceedings, Mis. No. 6491, dated 23rd November 1893. Both pier and reclamation have been practically completed, and it is now, I submit, necessary to determine what measures shall be taken to supplement these works by other improvements of permanent advantage to the port of Tuticorin and its trade.

2. On the 9th April 1896, a joint inspection was held by the Presidency Port Officer, Executive Engineer, Port officer, Assistant Commissioner of Salt and Abkári Revenue, and myself, and it was determined to make the following recommendations, in regard to which reference to the enclosed plan is requested:—

(1) That the portion of the new reclamation and old foreshore lying between the Madras Bank and the south end of the English Church compound be fenced with corrugated iron paling, omitting the parts occupied by the sides of the sheds.

(2) That a new Custom house and Port office be built on the old foreshore between the flagstaff and the Government warehouse—the flagstaff being removed to the roof of the new Port office—the present Government warehouse to be the shed for dutiable goods, and the old Custom house and Port office to be sold or used as the Sub-Collector's office.

(3) A passengers' shed of corrugated iron 35 feet × 15 feet with a long counter to be built east and west on the south side of the proposed line of rails leading from the pier to the Custom house.

(4) Two open goods-sheds 100 feet × 50 feet to be built alongside the line of rails from the railway station to the pier and 10 feet from it, and one closed goods-shed 100 feet × 50 feet to be built to the north of the present Government warehouse.

(5) In the space of some 75 feet between the open goods-sheds and the Government warehouse, lines of rails to be laid and a Government salt-shed 100 feet × 50 feet capable of holding 30,000 bags to be built; the lines of rails to be connected with the line from the station to the pier by a siding in the southern portion of the reclamation.

(6) The old pier to be repaired at a cost of Rs. 300 for use in connection with the exports of light goods and cattle.

(7) A line of rails to be laid from the end of the new pier to the present Custom house.

(8) A small piece of foreshore adjoining the new reclamation and between it and a drain near the Bank to be filled up and revetted.

3. All these works except Nos. 7 and 8 are important, but those which, in my opinion, are immediately required are: No. 3, passengers' shed and No. 6, repair of old pier. After that I would place No. 1, the fencing and then Nos. 4 and 5, the building of sheds and the laying of rails, and then No. 2, the building of new Custom and Port offices. Nos. 7 and 8 are small works of minor importance, but would be useful and should be carried out speedily.

4. I now proceed to discuss each work separately in the order in which they are placed in paragraph 3 and shall endeavour to show the necessity for it, the probable cost, and the funds from which the charge can be met:

(*a*) *No.* 3, *Passengers' shed.*—Passengers landing at the pier from the steamers have now to be marched with their baggage across the reclamation and old foreshore to the Custom house on the further side of the road, and their baggage is there examined in a very confined space. The proposed shed with counter will enable the examination to be made much more comfortably and expeditiously. The Executive Engineer estimates the cost of the proposed shed at Rs. 1,000, which should, I presume, be met from the Customs funds. Probably, it will be simplest, in the first instance, to advance the amount from Port funds. If the work is approved, I will submit estimate and application for funds for sanction.

(*b*) *No.* 6.—The old pier, if repaired, will be a great convenience, for it will relieve the new pier of light goods for export, which impede the traffic and more particularly of the cattle which are constantly exported to Ceylon and which foul the new pier. The work is estimated to cost Rs. 300 which can be met from Port funds. If the proposal is approved, I will arrange that the estimate be submitted for sanction without delay.

(*c*) *No.* 1.—The fencing of a portion of the foreshore is a most important work, which it is hoped will obviate the pilfering of cargo which now goes on. The fencing is proposed to enclose all the space which is, for some years to come, likely to be occupied at any time of the year by goods. It is to be constructed of iron rails and corrugated iron palings sharpened at the top, which should be neat and effective. Gates will be provided at suitable points. The cost is estimated roughly at Rs. 4,140. This sum can be met from the Port funds. If the proposal is approved, an accurate estimate will be submitted.

(*d*) *Nos.* 4 *and* 5.—The proposed sheds will be extremely useful for the storage of goods and salt, which at present have to be deposited upon the open foreshore and the goods-sheds will bring in revenue by way of fees for goods deposited therein. The Executive Engineer estimates the cost of each open shed at Rs. 6,700, and of each closed shed at Rs. 10,000; the total cost for sheds will thus be Rs. 23,400 for port sheds, and Rs. 10,000 for salt-shed. The amount is large, but I believe that the Port funds would be easily able to bear the whole charge upon it, in two consecutive years. Possibly, the Salt department could find funds for the salt-shed in 1897–98. The cost of the proposed railway lines to run to the closed shed, and salt-shed has not yet been estimated. At the joint inspection two lines of rails were proposed—one on each side of the salt-shed. Reference to the plan will show, however, that two lines will hardly be required, for one line will serve both the salt and the closed sheds, and the open shed can be served by the existing line. The proposed line might be worked either by a siding in the southern part of the reclamation, as proposed at the inspection, or by a turn-table on the proposed line from the pier to the Custom house. The cost of the line should be met from Port funds.

(*e*) *No.* 2.—The present Custom house and Port office building is inconvenient in structure, and is situated on the wrong side of the Beach road. A new building should, we consider, be provided more worthy of the port, and more conveniently situated, and the old building should either be sold or made over wholely or partly for use as the Sub-Collector's office. The Sub-Collector now occupies a rented building. If it should be decided to sell, it is expected that the sale-proceeds of the present Sea Customs and Port office with site would more or less cover the cost of a new building, and even if only a part of the present building were sold with the site, probably a considerable sum will be obtained. If directed, I will report more fully on these proposals. The present Government warehouse could be used as the shed for dutiable goods without difficulty, its place being taken by the new closed shed. If necessary, another closed shed could be built later on. The cost of the proposed new offices has not yet been estimated. It should be distributed between Customs and Port funds.

(*f*) *Nos.* 7 *and* 8.—As already stated these are small works. No. 7 will be useful pending the erection of a new Custom house to take goods by rail into the yard of the existing Custom house; and if it is determined not to have a siding in the southern portion of the reclamation, it may be necessary to maintain it as a permanent line as far as the new Custom house to form a connection by means of turn-tables

between the lines of rails. No. 8 is needed to complete the reclamation. The estimates are not yet ready. The work should be done from Port funds.

5. I submit this report through the Presidency Port Officer, so that he may add his remarks and suggestions.

6. I request the favour of very early orders regarding works Nos. 3 and 6.

Endorsement of the Presidency Port Officer, dated 3rd July 1896, No. 163/231 G.

Resolution—Mis. No. 4662, dated 7th November 1896.

Submitted for the orders of Government. The Acting Commissioner has just had an opportunity of inspecting the port and discussing the proposals with the Collector and Port officer.

2. *Proposal I, Fencing of the foreshore.*—This is very necessary in the interests of both Customs and Port revenue and to facilitate work by the exclusion of idlers. The Board considers that the Customs and Port departments should contribute equally to the erection and maintenance of the fence as the revenue of both will be protected by it, and that it should be in charge of the Port officer.

3. *Proposal II, the erection of a new combined Port office and Custom house on the site of the flagstaff.*—This is very necessary. The present Custom house is altogether unfit for the establishment provided for in G.O., No. 776, Revenue, dated 28th November 1895. It consists of one fair-sized but very dark room in which the clerks work, which may be said to be lighted solely by the door, and two very small rooms with a large godown behind for duty-bearing goods. The upper storey is occupied by the Port officer's clerks. The accommodation of the latter office is also very inferior. The Board sees no objection to the Custom office occupying the lower storey and the Port office the upper portion of the new building, though in view of the requirements of the latter for godowns for port and pearl-fishery stores, some other division of the accommodation may be found more convenient. As regards the cost, the building might be constructed either from Port or Customs funds as may be most convenient, the department which finds the money receiving rent from the other. As regards the old offices, the Board thinks that it would hardly be fair to the mercantile community to locate the Sub-Collector's office in the best business site in Tuticorin. It would suggest that they should be rented out for the present.

4. *Proposal III, Erection of a Customs-shed for the examination of passengers' baggage.*—This is very necessary. The Board fears that, at present, a large proportion of passengers escape without examination, and as a matter of course, if there are any habitual smugglers amongst them, they are certain to be amongst those who evade going to the Custom house. The shed proposed hardly appears to be wide enough. The Board would make it 20 feet wide and add 5 feet to its length, and from the additional accommodation so provided would rent a booking office to the South Indian Railway. A booking office is necessary, but it is not desirable that the beach should be encumbered by small permanent structures and the required room can be best provided in this way.

5. *Proposal IV, Erection of two open and one closed goods-shed.*—The Board thinks that one open and one closed goods-shed should suffice for the present. This will give one open and two closed goods-sheds of the latter, one should be reserved for dutiable goods. *They should be erected out of Port fund, if the money* is available. If not, the Customs department might build the one intended for dutiable goods.

6. *Proposal V, Erection of a salt-shed.*—This shed is intended for salt awaiting export, the export trade to Penang having reached large dimensions involving the shipping of 26,000 bags within five days at times. The amount required from day to day is more than can be weighed out at the factory and transported to the beach daily with certainty, and a stock has to be accumulated before the steamer arrives for the protection of which this shed is proposed. The Board considers that it will usually be possible to provide accommodation in the other sheds. It understands that a special rateof one pie per week per bag was intended to be charged on the salt stored

in the proposed shed, but it sees no reason why the same rate should not be applied to salt in other sheds also, as—unlike other produce—there is no risk of the owners wishing to keep it there longer than they can help and so making a cheap convenience of the buildings. The export trade in salt is also likely to decrease considerably in future. It has sprung up under the management of the Tuticorin salt factories by the Tuticorin Salt Company which had had an arrangement with all the licensees for several years past under which the whole produce of the factories has been in its hands. It has been keeping up the popularity of its salt by only selling what is light for local consumption and disposing of its heavy salt to the Borneo Company for 1½ annas per maund. The arrangement with the licensees terminates shortly, and if, as is hoped, they work independently in future, this export trade will probably fall off.

7. *Paragraph* 4 (*d*).—The concluding remark in this paragraph does not affect the department under the Board of Revenue (Separate Revenue) directly, but as a general question is involved, it begs to express the opinion that an extension of a railway for the purpose of general traffic ought to be paid for by the railway itself. Its interest in every passenger and ton of goods landed is to be measured by rupees, while that of the port is merely a matter of annas.

(True Copy and Extract.)

(Signed) EDMUND MILLETT,
Assistant Secretary.

READ—again the following paper :—

G.O., No. 797 W., dated 18th March 1897.

Read—the following G.O., Mis. No. 1130, Revenue, dated 25th February 1897 :—

Read—the following papers :—

G.O., No. 2303 R., dated 2nd December 1896.

ABSTRACT.—Referring to the Marine Department, for favour of remarks, Proceedings of the Board of Revenue (Separate Revenue), dated 7th November 1896, Mis. No. 4662.

Endorsement of the Marine Department, dated 7th January 1897, No. 9 E.

ABSTRACT.—Transferring to the Revenue Department with an expression of concurrence in the Marine Department, letter from the Presidency Port Officer, dated 18th December 1896, No. 163/415 G.

Office-note of the Marine Department, dated 11th February 1897, No. 96 E.

ABSTRACT.—Stating that the proposal to hand over the *Wenlock* to the Harbour Trust Board *plus* a lump sum has been settled in the Financial Department.

Order—Mis No. 1130, Revenue, dated 25th February 1897.

A shed for the examination of passengers' baggage.

In the circumstances stated, the execution of the marginally-noted work which is recommended in paragraph 4 of Board's Proceedings, Mis. No. 4662, dated 7th November 1896, is approved. Orders will issue in the Public Works Department for the preparation of the necessary plans and estimates. The amount payable from Port funds on account of this work will be fixed in the proportion accepted by the Presidency Port Officer in paragraph 2 of his letter, No. 163/415 G., dated 18th December 1896, *i.e.*, $\frac{1}{3}$ from Port funds and $\frac{2}{3}$ from Sea Customs.

2. The other works must stand over until a decision is come to regarding the amalgamation of the ports on the East Coast of the Presidency into two groups.

(True Extract.)

(Signed) LIONEL DAVIDSON,
Under Secretary to Government.

Order—No. 797 W., dated 18th March 1897.

Communicated to the Superintending Engineer, VI Circle, who will submit a plan and estimate for the work mentioned in paragraph 1 of the order in the Revenue Department.

(True Extract.)

(Signed) D. McNEIL CAMPBELL, Col., R.E.,
Secretary to Government.

READ—also the following papers :—

From Lieutenant-Colonel O. V. BODDY, R.E., Superintending Engineer, VI Circle, to the Chief Engineer, Public Works Department, dated 13th May 1897, No. 410 T.N.

I have the honour to return herewith, as directed, the plan and Revenue Board's Proceedings received with G.O., No. 797 W., dated 18th March 1897, and in doing so I would point out the advisability of obtaining the assistance of the South Indian Railway Company in deciding on the best position of sidings on the reclaimed foreshore.

2. There is one question which requires an early settlement, and that is the best position of the turn-table. It cannot be put down on the present line of rails at the immediate junction of the pier with the shore, as the piles of the shore bay of the pier will interfere with the foundations.

3. The line might be slightly diverted, but it is by no means certain that this position for the turn-table is the best, and as the South Indian Railway Company run their trains over this line, I consider that they should be consulted in this matter.

4. I beg also to point out that I consider that proposal I, referred to by the Board—fencing of the foreshore—to be a very urgent work. The general public should not be allowed here. As it is, they wander all over the place, and do much damage to the sea wall by removing stones from it.

No. 2634 C.

Referred to the Consulting Engineer for Railways, for favour of the views of the South Indian Railway Company on the points in paragraphs 1 to 3 of the Superintending Engineer's letter.

(Signed) D. McNEIL CAMPBELL, Col., R.E.,
Secretary to Government.

25th May 1897.

No. 794 D.

The following is forwarded to the Secretary to Government, Public Works Department, with reference to his endorsement, No. 2634 C., dated 25th May 1897, herewith returned.* The Agent's proposals are approved in this department.

* With one plan.

(Signed) F. D. FOWLER,
Under Secy. to Government,
Railway Branch.

OOTACAMUND,
13th July 1897.

ENCLOSURES.

COPY of letter to the Agent, South Indian Railway, dated 5th June 1897, No. 1890.

I have the honour to forward a copy of the Board of Revenue's Proceedings, Mis. No. 4662, dated the 7th November 1896, and of the Superintending Engineer, VI Circle's No. 410 T.N., dated the 13th May 1897, and also of the plan referred to.

2. I shall be obliged if you will favour me at your very early convenience with an expression of your opinion upon the several points therein referred to which are of interest to the South Indian Railway, and that you will say what share you are prepared, under proper sanction, to take in the carrying out of the improvements in Tuticorin port arrangements referred to in the correspondence.

COPY of letter from the Agent, South Indian Railway, dated 26th June 1897, No. 665.

In reply to your letter, No. 1890, dated 5th June 1897, I have the honour to offer the following remarks:—

(*a*) The site selected for the passenger custom-shed is not convenient, and this shed should, I consider, be located parallel to the siding north of the old pier entrance and on the site chosen for the nearest open shed. It would be a convenience if a platform 150 feet in length could be provided between the rails and the customs-shed, and as this work would be for the benefit of passengers, this railway might pay for it.

(*b*) A railway booking office is not required near the pier.

(*c*) The turn-table should, I think, be suitable for South Indian Railway stock, and if necessary, the siding might be slightly slewed to enable the foundations to be got in clear of the pier piles.

(*d*) The additional sidings proposed would be, as far as I can see, of no advantage to this railway. They are required to facilitate the use of the various sheds, and would probably result in the more extensive use of the latter whereby increased receipts in warehouse charges would be realized. However, as it is desirable in the interests of the constituents of this railway to encourage the conveniences at Tuticorin, I am prepared to agree to the *maintenance* of these sidings being borne by the line except in respect to the provision of materials.

ORDER—No. 2284 W., dated 20th August 1897.

In G.O., No. 797 W., dated 18th March 1897, the Superintending Engineer, VI Circle, was directed to submit a plan and estimate for a shed for the examination of passengers' baggage at Tuticorin. The opinion of the Collector will be called for in the Revenue Department on the remarks of the Agent, South Indian Railway, as to the site selected for the shed. It will be seen that a railway booking office in connection with this shed is not required.

2. In G.O., No. 642, Marine, dated 19th July 1897, it was decided that the cost of the railway sidings and turn-table should be borne by the South Indian Railway, and the best position for these will be left to the decision of the officers of the Railway.

3. The Superintending Engineer will submit a detailed estimate of the cost of fencing the foreshore.

(True Extract.)

(Signed) D. McNEIL CAMPBELL, Colonel, R.E.,
Secretary to Government.

To the Superintending Engineer, VI Circle.
" Consulting Engineer for Railways.
" Revenue Department.
" Marine Department.

BUILDINGS AND ROADS.
CIVIL WORKS.

Government {1897} of Madras.

PUBLIC WORKS.

Recd. } 1897. *Enclosures*

Regd. *Spare copies*

G.O., No. 2285 W., 20th August 1897.

AUGUST.

Old Taluk Office at Bapatla

The transfer of the — in the Kistna Western division to the Forest Department, sanctioned.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

Read—the following paper :—

From Major W. L. C. BADDELEY, R.E., Superintending Engineer, II Circle, to the Chief Engineer, Public Works Department, dated Bezwada, 31st July 1897, No. 1269 K.W.

I have the honour to bring to your notice that the old taluk cutcherry at Bápatla in the Kistna Western division will shortly be vacated, and after reference to the Collector and other heads of departments in the district, the Collector is of opinion that the building in question should be handed over to the Forest Department.

2. I therefore request that you will be so good as to obtain the sanction of Government to the building at Bápatla being transferred to the Forest Department.

Order—No. 2285 W., dated 20th August 1897.

Sanctioned.

(True Extract.)

(Signed) D. McNEIL CAMPBELL, Colonel, R.E.,
Secretary to Government.

To the Superintending Engineer, II Circle.
" Examiner, Public Works Accounts.
" Revenue Department.

BUILDINGS AND ROADS.
CIVIL WORKS.

Government (1897) of Madras.

PUBLIC WORKS.

Recd.	1897.	*Enclosures*
Regd.		*Spare copies*

G.O., No. 2286 W., 20th August 1897.

AUGUST.

Protestant Cemetery at Pallavaram

Supplemental estimate of Rs. 360 for providing an iron gate to the entrance of the — in the Chingleput district, sanctioned with remarks.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following paper :—

From Lieutenant-Colonel C. C. RAWSON, R.E., Superintending Engineer, V Circle, to the Chief Engineer, Public Works Department, dated Chepâk, 10th July 1897, No. 244 W.

I have the honour to submit, for sanction, the enclosed plan and supplemental estimate of Rs. 360 for providing an iron gate to the new entrance to the Protestant Cemetery at Pallávaram, the estimate for which was sanctioned in G.O., No. 116 W., dated 11th January 1896, for Rs. 2,910.

2. The plan and estimate have been approved by the Venerable the Archdeacon of Madras.

3. The necessity for the work is explained in the report attached to the estimate.

ORDER—No. 2286 W., dated 20th August 1897.

The estimate, amounting to Rs. 360, for providing an iron gate to the entrance of the Protestant Cemetery at Pallávaram in the Chingleput district, is sanctioned as supplemental to the estimate of Rs. 2,910 sanctioned in G.O., No. 116 W., dated 11th January 1896. The work should not be commenced without specific allotment of funds.

2. This sanction has been registered as Provincial No. 42 W. of 1897–98, and classified as "Civil Buildings—Original Works."

(True Extract.)

(Signed) D. McNEIL CAMPBELL, Colonel, R.E.,
Secretary to Government.

To the Superintending Engineer, V Circle,
with four enclosures.
" Examiner, Public Works Accounts.
" Ecclesiastical Department.

GENERAL.
ESTABLISHMENT.

Government (1897) of Madras.

PUBLIC WORKS.

Recd.	1897.	*Enclosures*
Regd.		*Spare copies*

G.O., No. 2288 W., 20th August 1897.

AUGUST.

Exchange Compensation Allowance

Government of India letter requesting the early submission of certain lists showing the appointments in which European qualifications are held to be indispensable in connection with the new rules for the grant of —, communicated to officers of the Public Works Department, for submission of the lists.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Establishment.

READ—the following paper:—

From G. H. D. WALKER, Esq., Under Secretary to the Government of India, Public Works Department (General), to the Secretary to the Government of Madras, Public Works Department, dated Simla, the 5th August 1897, No. 2095 G.

With reference to Finance and Commerce Department Resolution, No. 2422 Ex., dated 31st May 1897, published in Part I of the *Gazette of India* of the 5th June 1897, promulgating new rules for the grant of exchange compensation allowance, I am directed to request the early submission of lists—

(1) of all Superior and Subordinate Administrative and Executive appointments, other than those included in graded establishments in which European qualifications are held to be indispensable; and

(2) of ministerial and clerical appointments (including * such appointments in the Railway branch of the Secretariat) in which similar qualifications are considered indispensable.

* (To Bombay and Madras only.)

ORDER—No. 2288 W., dated 20th August 1897.

Communicated, in continuation of G.O., No. 2059 W., dated 29th July 1897, to officers of the Public Works Department, for submission with the least possible delay of the lists required by the Government of India.

(True Extract.)

(Signed) D. McNEIL CAMPBELL, Colonel, R.E.,
Secretary to Government.

To the Chief Engineer for Irrigation.
„ the Consulting Engineer for Railways.
„ all Superintending Engineers.
„ the Superintending Engineer on special duty.
„ the Executive Engineer, Lighthouse division.
„ the Consulting Architect to Government.
„ the Examiner, Public Works Accounts.
„ the Examiner, Railway Accounts.
„ the Sanitary Engineer.

GENERAL.
ACCOUNT.

Government (1897) of Madras.

PUBLIC WORKS.

Recd.	1897.	*Enclosures*
Regd.		*Spare copies*

G.O., No. 2289 W., 20th August 1897.

AUGUST.

Imprest

Government of India letter stating that where an — of the prescribed limit of Rs. 1,000 is found to be insufficient, the disburser should be furnished with a cash book and supplied by the Executive Engineer with such funds as may from time to time be required, communicated to Superintending Engineer, III Circle, with reference to G.O., No. 1953 W., dated 19th July 1897, and to other officers of the department for guidance.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

READ—the following paper:—

From A. R. BECHER, Esq., Officiating Deputy Secretary to the Government of India, Public Works Department (Account—General), to the Secretary to the Government of Madras, Public Works Department, dated Simla, 30th July 1897, No. 156 A.G.

I am directed to acknowledge the receipt of your letter, No. 1954 W. of the 19th July 1897, requesting sanction to the holding of imprests, in excess of Rs. 1,000 each, by certain civil officers in the districts of Bellary, Cuddapah and Kurnool.

2. In reply I am to state that the Government of India consider the imprest system suitable only in cases where small payments have to be made by single individuals.

3. In cases where heavy payments have to be made, the disburser should be furnished with a cash book and supplied by the Executive Engineer with such funds as may from time to time be required, and I am to say that this course should be followed in all cases where an imprest of the prescribed limit of Rs. 1,000 is found to be insufficient.

ORDER—No. 2289 W., dated 20th August 1897.

Communicated to the Superintending Engineer, III Circle, with reference to G.O., No. 1953 W., dated 19th July 1897, and to other officers of the Public Works Department, for information and guidance.

(True Extract.)

(Signed) D. McNEIL CAMPBELL, Colonel, R.E.,
Secretary to Government.

To the Superintending Engineer, III Circle.
,, other Superintending Engineers.
,, the Consulting Architect to Government.
,, the Examiner, Public Works Accounts.

GENERAL.
ESTABLISHMENT.

Government (1897) of Madras.

PUBLIC WORKS.

Recd.	1897.	*Enclosures*
Regd.		*Spare copies*

G.O., No. 2324 W., 24th August 1897.

AUGUST.

Honorary Commissioned, Warrant and Non-Commissioned Officers

Government of India resolution cancelling the orders transferring the Burma — from the Bengal to the Madras unattached list, communicated to officers of the Public Works Department in supersession of G.O., No. 1074 W., dated 25th March 1896, and the Examiner ordered to carry out the necessary alterations in the next issue of the Classified List.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Establishment.

READ—the following paper:—

Resolution of the Government of India, Public Works Department (General), dated Simla, 26th July 1897, No. 1988 G.

[Cancellation of orders transferring the Burma Honorary Commissioned, Warrant and Non-Commissioned Officers from the Bengal to the Madras Unattached List.]

Read—

Public Works Department Resolution, No. 586 G., dated 6th March 1896.
Letter from the Government of Madras, No. 3677 W., dated 21st December 1896.

Resolution.—Under the orders contained in the resolution quoted in the preamble, all the honorary commissioned, warrant and non-commissioned officers of the Burma Provincial list were transferred from the Bengal to the Madras unattached list, with effect from the 1st November 1895, for purposes of military promotion and the warrant scales of each list were adjusted in proportion to the strength of each list as modified by the transfer. It has now been pointed out by the Government of Madras that notwithstanding the adjustment the transfers have injuriously affected the prospect of the Madras military subordinates as regards promotion to the higher grades.

The Governor-General in Council, after careful consideration of the facts brought to notice by the Government of Madras, is pleased to direct that the orders contained in the resolution referred to above be cancelled; that the honorary commissioned, warrant and non-commissioned officers of the Burma Provincial list be retransferred to the Bengal unattached list for purposes of promotion; but that the promotions which have been made under those orders, and prior to the issue of this resolution, shall not be disturbed. Further that the warrant and non-commissioned officers of the Burma list whose juniors in military rank on the Bengal warrant list have been, under the operation of the orders of 6th March 1896, promoted within and to the honorary commissioned and warrant ranks, be promoted to the same ranks as their juniors, with effect from the same dates, standing thereafter in the order in which they originally stood on the list. Any temporary excesses caused by such promotion will be absorbed at the earliest opportunity on the occurrence of vacancies.

It is also ordered that the warrant scales of the Bengal and Madras lists as they existed before the issue of the orders in Government of India, Public Works Department resolution, No. 586 G., dated 6th March 1896, be restored. They will therefore stand as follows:—

	Bengal.	Madras.
Deputy Commissaries	2	1
Assistant Commissaries	2	1
Deputy Assistant Commissaries	4	2
Conductors	19	7
Sub-Conductors	32	10
Total ...	59	21

Order.—Ordered, that this resolution be communicated to the Local Governments, Administration and officers noted on the margin for information and guidance.

Ordered also that it be communicated to the Military Department for information.

The Governments of Madras and Bombay, Public Works Department, General and Railway Branches.
The Governments of Bengal, the North-Western Provinces and Oudh, the Punjab and Burma.
The Chief Commissioners of the Central Provinces, Assam and Coorg.
The Resident at Hyderabad.
The Agents to the Governor-General for Rajputana, Central India and Baluchistan.
The Accountant-General, Public Works Department.
The Director-General of Military Works.
The Director-General of Railways.

(By order.)

(Signed) G. H. D. WALKER,
Under Secy. to the Govt. of India.

ORDER—No. 2324 W., dated 24th August 1897.

Communicated to officers of the Public Works Department in supersession of G.O., No. 1074 W., dated 25th March 1896.

2. The necessary alterations will be carried out by the Examiner in the next issue of the Classified List.

(True Extract.)

(Signed) D. McNEIL CAMPBELL, Colonel, R.E.,
Secretary to Government.

To Superintending Engineers.
,, the Consulting Architect to Government.
,, the Examiner, Public Works Accounts.

Copy to the Deputy Adjutant-General, Madras Command,
for the information of His Excellency the
Lieutenant-General Commanding the Forces.

GENERAL.
ESTABLISHMENT.

Government (1897) of Madras.

PUBLIC WORKS.

Recd. } 1897. *Enclosures*

Regd. *Spare copies*

G.O., No. 2325 W., 24th August 1897.

AUGUST.

Mr. G. S. T. Harris

Communicating to — and to the Examiner, the orders of the Government of India on certain questions connected with his appointment as Consulting Architect; directing that that Government be requested to transfer him permanently to the Madras list; and recommending the grant of a local allowance of Rs. 100 to that officer while holding the post of Consulting Architect with the rank of Executive Engineer.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Establishment.

READ—the following papers :—

From G. H. D. WALKER, Esq., Under Secretary to the Government of India, Public Works Department (General), to the Secretary to the Government of Madras, Public Works Department, dated Simla, 19th July 1897, No. 1911 G.

I am directed to acknowledge the receipt of your letter, No. 1381 W., dated 25th May 1897, forwarding, with remarks, copy of a letter from Mr. G. S. T. Harris, in which he enquires with reference to the proposal to confirm him in the post of Consulting Architect to the Government of Madras, whether he will be granted a local allowance of Rs. 100, under Public Works Department Code, Volume I, paragraph 26, and whether on confirmation he will be linked with Mr. deWinton for purposes of promotion.

2. In reply I am directed to invite attention to the letters noted in the margin, which show the terms on which the appointment of Consulting Architect to the Government of Madras was sanctioned by the Secretary of State. These terms were fully explained to the Government of Madras in Public Works Department letters, Nos. 529 G., dated 28th February 1896, and 1795 G., dated 18th July 1896, and to Mr. Harris through the Secretary, Public Works Department, India Office, in Public Works Department letter, No. 1115 G., dated 7th May 1896.

Public Works Department letter, No. 1558 G., dated 16th October 1885.
Public Works Department letter, No. 297 G., dated 22nd February 1886.
Public Works Department letter, No. 720 G., dated 4th May 1886.

Under the above orders Mr. Harris cannot, without the sanction of the Secretary of State, be granted a local allowance of Rs. 100 per mensem while holding the post of Consulting Architect with the rank of Executive Engineer. If, however, the Madras Government desire to make a special recommendation that such an allowance is necessary and should be granted, their recommendations will be taken into consideration by this Government with a view to deciding whether it should be forwarded for the favourable consideration of the Secretary of State.

3. In regard to the question of Mr. Harris' promotion to Superintending Engineer, I am to state that directly he is permanently transferred to the Madras list, it is for the Government of Madras to settle whether, compared with his contemporaries on that list, he ought to be a Superintending Engineer or not. The intention of the orders is that Mr. Harris' promotion to Superintending Engineer should be, at the outset, regulated by his position on the Madras list as decided by the Government of Madras, or by that on the Local Administrations list as decided by the Government of India, whichever is the most favourable to him.

4. With reference to paragraph 5 of your letter, I am to state that the Government of India are pleased to sanction the extension of Mr. Harris' term of probation by three months.

Memorandum, No. 1030 D., dated 4th August 1897.
Office-note from the Consulting Architect to Government, dated 7th August 1897, No. 1311

ORDER—No. 2325 W., dated 24th August 1897.

The letter from the Government of India read above will be communicated to Mr. Harris, and to the Examiner, Public Works Accounts, with reference to G.O., No. 1380 W., dated 25th May 1897.

2. Mr. Harris having expressed his willingness to be confirmed in the appointment of Consulting Architect to Government, His Excellency the Governor in Council resolves to so confirm him, and the Government of India will accordingly be requested to transfer him permanently to the Madras list.

3. The grant to Mr. Harris, while holding the post of Consulting Architect with the rank of Executive Engineer, of a local allowance of Rs. 100, will be recommended to the Government of India.

[Here enter No. 2326 W., dated 24th August 1897.]

(True Extract.)

(Signed) D. McNEIL CAMPBELL, Colonel, R.E.,
Secretary to Government.

To the Consulting Architect to Government.
„ Examiner, Public Works Accounts.

GENERAL.
ESTABLISHMENT.

Government {1897} of Madras.

PUBLIC WORKS.

Recd. } 1897. *Enclosures*

Regd. *Spare copies*

Letter, No. 2326 W., 24th August 1897.

AUGUST.

Mr. G. S. T. Harris

Stating that His Excellency the Governor in Council has resolved to confirm — in the appointment of Consulting Architect to Government; requesting that he may be permanently transferred to the Madras list; and recommending that Mr. Harris be granted a local allowance of Rs. 100 from the date of his joining the post until such time as he draws the emoluments of a Superintending Engineer, 3rd class.

PUBLIC WORKS DEPARTMENT.

General.
Establishment.

LETTER—from

THE HON'BLE COLONEL D. McNEIL CAMPBELL, R.E.,
Secretary to the Government of Madras,
Public Works Department,

To

THE SECRETARY TO THE GOVERNMENT OF INDIA,
PUBLIC WORKS DEPARTMENT.

SIR,

In reply to your letter, No. 1911, dated 19th July 1897, I am directed to state that Mr. Harris having expressed his willingness to be confirmed in the post of Consulting Architect if he is recommended for a local allowance of Rs. 100 under paragraph 26, chapter III, Volume I, of the Public Works Code, and is promoted on confirmation to the rank held by Mr. deWinton, His Excellency the Governor in Council has resolved to confirm him in the appointment. I am accordingly to request that Mr. Harris may now be permanently transferred to the Madras list.

2. With reference to paragraph 2 of your letter under reply, I am directed to state that, as Mr. Harris has, in addition to designing work, to supervise the construction and repair of public buildings at the Presidency town and to exercise the functions of a Superintendent of Works, this Government considers that he is fully entitled to the local allowance of Rs. 100 admissible under paragraph 26, chapter III, Volume I, of the Public Works Code. His Excellency the Governor in Council strongly recommends that Mr. Harris be granted the allowance from the 22nd October 1896—the date of his joining the post—until such time as he draws the emoluments of a Superintending Engineer, 3rd class.

I have the honour to be,
Sir,
Your most obedient servant,

(Signed) D. McNEIL CAMPBELL, Colonel, R.E.,
Secretary to Government.

OOTACAMUND,
24th August 1897.

BUILDINGS AND ROADS.
CIVIL WORKS.

Government (1897) of Madras.

PUBLIC WORKS.

Recd.	1897.	*Enclosures*
Regd.		*Spare copies*

G.O., No. 2339 W., 24th August 1897.

AUGUST.

Road

Estimate of Rs. 17,660 for forming a — from Nandavaram *viâ* Chilkaldona and Boodoor, to join the 65th mile of the Madavaram road in the Bellary district, sanctioned under "33. Famine Relief."

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

Read—the following paper :—

From H. A. STUART, Esq., Collector and President, District Board, Bellary, to the Secretary to Government, Local and Municipal Department, dated 19th July 1897, C.R. No. 1297.

I have the honour to submit, for the sanction of Government, an estimate for Rs. 17,660 for forming a road from Nandavaram *viâ* Chilkaldona and Boodoor, to join the 65th mile of the Madavaram road. As the repair of the Yemmiganúru-Nagaldinne road is approaching completion, and as there is no other suitable work in that neighbourhood, I have directed the Executive Engineer to commence this work, if it should be required before sanction is received. Under rule 36, clause 4, of the Local fund rules, a resolution of the district board does not seem necessary. If necessary, it will be obtained at the next meeting and submitted.

No. 2477.

Forwarded to the Secretary to Government, Local and Municipal Department, Madras, with a request that he will be good enough to obtain the necessary sanction of Government.

(Signed) W. B. deWINTON,
Superintending Engineer, III Circle.

23rd July 1897.

No. 827, Local and Municipal.

Transferred to the Public Works Department.

(Signed) G. S. FORBES,
Secretary to Government.

3rd August 1897.

Order—No. 2339 W., dated 24th August 1897.

The estimate amounting to Rs. 17,660, for forming a road from Nandavaram *viâ* Chilkaldona and Boodoor, to join the 65th mile of the Madavaram road in the Bellary district, is sanctioned under "33. Famine Relief."

2. This sanction has been registered as Local No. 24 W. of 1897-98.

(True Extract.)

(Signed) D. McNEIL CAMPBELL, Colonel, R.E.,
Secretary to Government.

To the Superintending Engineer, III Circle,
with two enclosures.
" Examiner, Public Works Accounts.
" Local and Municipal Department.

BUILDINGS AND ROADS.
CIVIL WORKS.

Government {1897} of Madras.

PUBLIC WORKS.

Recd.	1897.	*Enclosures*	
Regd.		*Spare copies*	

G.O., No. 2340 W., 24th August 1897.

AUGUST.

Protection of Buildings from Lightning

Letter from the Secretary, Public Works Department, India Office, regarding the system adopted in the Trinity House service for the — and on the subject of Mr. Ashpitel being allowed to communicate direct with manufacturers at home in regard to details of design and construction of apparatus for lighthouse purposes, communicated, with remarks, to officers concerned for guidance.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following paper :—

From CLEMENT S. COLVIN, Esq., Secretary, Public Works Department, India Office, London, to the Secretary to the Government of Madras, Public Works Department, dated Whitehall, London, S.W., 30th July 1897, No. P.W. 1379.

With reference to the letter from the Government of Madras of the 23rd April 1897, No. 3, Marine, I transmit herewith, for the information of that Government, a copy of a letter * from the Trinity House describing the system adopted for many years in the Trinity House service for the protection of buildings from lightning.

* Dated 24th July 1897.

2. I am at the same time to enquire when the charts asked for in my letter of 10th July 1896, P.W. 1200/96, are likely to be received.

3. With respect to paragraph 3 of the letter from the Government of Madras, of the 8th April 1896, No. 3/245, Marine, I enclose an extract of a report by the Director-General of Stores, dated 21st May 1896, pointing out objections to Mr. Ashpitel being allowed to communicate direct with manufacturers in this country in regard to details of design and construction of apparatus for lighthouse purposes.

ENCLOSURES.

From CHAS. A. KENT, Esq., Trinity House, London, E.C., dated 24th July 1897, No. B. 2752.

Adverting to your letter of the 2nd ultimo, P.W. 998, and to previous correspondence on the subject of the protection of buildings from lightning, I am directed to inform you that this is a matter which has received much attention in the past from the Elder Brethren and their advisers, and the following system has now for many years been strictly adhered to in the Trinity House service :—

A main conductor, consisting of a half round bar of copper $1\frac{1}{2}$ inch diameter, is carried down the inside face of the wall of the tower, and from it branches are connected with every portion of metal work in the structure, commencing with the base of the lantern pedestal. The copper bar forming the conductor is obtained in the longest possible lengths, and these are joined by being half scarfed, tinned, screwed and sweated together in position, thus ensuring perfect continuity for the full sectional area. All connections with the various branches are similarly treated. The conductor terminates at the base of the lighthouse, where it is fitted to a copper plate 2 feet 6 inches square and $\frac{1}{8}$ inch thick, placed at least one foot horizontally from the building, and at a depth of not less than 15 feet. The utmost care is taken, when fixing the conductor, to ascertain that no defect occurs in the joints, and it is necessary for the conductors to be occasionally tested.

I am to add that this method of protection has proved most successful in the Corporation's service; and that Lord Rayleigh, the Scientific Adviser to this Board, who has recently had the subject under consideration, has expressed his concurrence in the existing system, and has stated that, in his opinion, it would be undesirable to introduce any change such as is suggested in the report accompanying your letter, having regard to the great uncertainty of result with which any such change must be attended.

COPY of extract from Minute by Director-General of Stores, dated 21st May 1896.

With regard to the suggestion in paragraph 3 to the effect that Mr. Ashpitel should be allowed to communicate direct with manufacturers in England in regard to details of design and construction, I may remark that experience has shown that such arrangements invariably lead to confusion and misunderstanding, and are moreover quite unnecessary, as the delay of communicating with the contractors through this department, as usual, would be very trivial. In the present instance such a course as suggested in the Madras letter would, I think, be impracticable having regard to the arrangements with the Trinity House. I may add that any proposed departures from approved designs should certainly be referred to the local authorities for consideration before they are actually carried out, and that this is the course usually adopted.

ORDER—No. 2340 W., dated 24th August 1897.

Communicated to the officers concerned for information and guidance.

2. The Executive Engineer, Lighthouse division, will expedite the charts called for in endorsement, No. 587 E., dated 5th August 1896.

(True Extract.)

(Signed) D. McNEIL CAMPBELL, Colonel, R.E.,
Secretary to Government.

To Superintending Engineers.
,, the Consulting Architect to Government.
,, the Executive Engineer, Lighthouse division.
,, the Marine Department.

GENERAL.
ESTABLISHMENT.

Government {1897} of Madras.

PUBLIC WORKS.

Recd. } 1897. *Enclosures*

Regd. *Spare copies*

G.O., No. 2353 W., 25th August 1897.

AUGUST.

Men engaged temporarily for Famine duty

Authorizing the adoption of the procedure suggested by the Examiner in connection with the audit in regard to temporary establishments engaged in famine divisions, and directing that the — should be given clearly to understand that they will not be entitled to claim a month's notice of discharge.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Establishment.

Read—the following paper:—

Office-note from the Examiner, Public Works Accounts, dated Madras, 11th August 1897, No. 477 A.

Under Public Works Department Code, Volume I, chapter I, *note* to paragraph 109, all members of temporary establishments are required to sign the declaration prescribed by paragraph 110 (iv) of the same chapter, and this office invariably inquires, in disallowance lists in all cases of temporary appointments, whether the necessary declarations have been obtained and filed in the office concerned.

2. The rule and the inquiry are all very well in an ordinary division, but in the case of famine divisions, where nearly the whole establishment is temporary, the correspondence alone in connection with these declarations is heavy, and in my own opinion causes needless waste of time and trouble to all concerned. Men engaged for famine duty must, as a matter of course, in all but the rarest cases, be fully aware that their employment ceases with the cessation of the duties for which they were specially engaged, and therefore, there is little or no object to be gained in insisting upon these declarations being obtained from them, and recorded in every case.

3. If Government agree in this view, no further inquiries will be made by this office in audit in regard to temporary establishments engaged in famine divisions, except in any cases in which there may be doubt as to whether a person has been engaged for other than purely temporary purposes.

4. There is another direction in which some relief might be obtained in famine divisions. Under G.O., No. 1315 W. of 19th May 1897, the Superintending Engineer, III Circle, was empowered to entertain *unpassed* candidates in appointments not exceeding Rs. 20 each. This concession might, I think, be extended to other famine divisions, and similar powers vested with Superintending Engineers concerned to make such appointments in order to obviate the usual objections in audit (which are many) and the applications resulting therefrom for sanction of Government to the individuals in question being specially exempted from the examination rules.

Order—No. 2353 W., dated 25th August 1897.

The Government agrees in the view expressed in paragraph 2 of the Examiner's note, and authorizes the adoption of the procedure indicated in paragraph 3. Every man engaged temporarily for famine duty should, however, be given clearly to understand by the officer appointing him, that he will not be entitled to claim a month's notice of discharge when the necessity for his services ceases.

2. In G.O., No. 446, Educational, dated 7th August 1897, the concession in respect to the appointment of unpassed candidates to appointments of Rs. 20 or less has been extended to the I Circle.

(True Extract.)

(Signed) D. McNEIL CAMPBELL, Colonel, R.E.,
Secretary to Government.

To the Examiner, Public Works Accounts.
„ Superintending Engineer, I Circle.
„ „ „ III „

GENERAL.
ESTABLISHMENT.

Government (1897) of Madras.

PUBLIC WORKS.

Recd.	1897.		*Enclosures*
Regd.			*Spare copies*

G.O., No. 2354 W., 25th August 1897.

AUGUST.

Famine Establishment

Passing orders in regard to the information to be furnished in the weekly lists, submitted to Government under paragraph 194 of the Famine Code, of subordinate appointments made in divisions in which relief works are in charge of the Public Works Department, and directing the Examiner to finally pass the pay of all temporary establishments included in lists hitherto approved by Government.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General,
Establishment.

READ—the following papers:—

From W. B. DEWINTON, Esq., Superintending Engineer, III Circle, to the Chief Engineer, Public Works Department, dated Bellary, 17th July 1897, No. 2295 W.

With reference to your memo., No. 2801 C., dated the 9th June 1897, I have the honour to forward, herewith, a revised proposition statement for the extra temporary establishment required in the Bellary division on account of famine-relief works, duly countersigned by the Collector of Bellary, and to request you will be good enough to obtain the sanction of Government to the same.

2. The 9th November 1896 has been entered as the date from which sanction to the appointments is required, because it is the date of the first appointment and it would take much time and trouble to enter the date of each appointment and serve no useful purpose.

3. The establishment now applied for is that considered enough for present requirements; should the monsoon fail, a much greater establishment will be required and will be applied for later on.

Office-note from the Examiner, Public Works Accounts, dated Madras, 30th July 1897, No. 446 A.

[Your office-note No. 3322 C., dated 26th July 1897.]

There is, strictly speaking, no so-called *Present scale* of establishment for this division. The establishment entered in that column in the proposition statement is establishment that has been from time to time sanctioned in the orders quoted in columns 1 and 2 of the statement, and is correct.

2. In a famine division where the staff required on relief works is necessarily an ever-fluctuating one, I do not think that a *scale* such as that contemplated in G.O., No. 876 W., dated 26th March 1897, can serve any really useful purpose.

3. I get for my guide in audit weekly lists of the temporary appointments made in each famine division. These are signed by Executive Engineers and countersigned by Collectors and Superintending Engineers concerned, and Government accord *approval*, *i.e.*, *sanction*, to these lists which are then duly noted and returned.

4. The form used is that given on page 52 of the Madras Famine Code, viz., form H, Appendix II, and contains all the information requisite for purposes of audit, and the lists in this form, taken together with the previous lists thus approved by Government, are virtually in themselves the *scales* for temporary establishment upon which my office bases its audit.

5. Instead, therefore, of passing, as my office has been doing hitherto, hosts of items in each famine divisional salary bill, month after month, *provisionally* only, pending the sanction to the "scales" which Government seem to contemplate sanctioning, I am of opinion that much time and writing will be saved, and the objects of audit equally well met, by my *finally* passing the pay of all temporary establishments

which have been approved by Government in the weekly lists, and passing *provisionally* only such as have not, at time of audit, appeared in those lists. In this manner the matter will go far towards being regularized, and ultimately, *i.e.*, on the termination of the famine, if there should remain any charges for these special establishments not covered by Government sanction in the weekly lists, they will be reported for Government sanction.

6. While therefore informing Government of my proposed action, I would suggest that the question of the sanction to the "*Scales*" *for divisional temporary* establishment might be reconsidered in the light of these remarks.

Order—No. 2354 W., dated 25th August 1897.

In compliance with Public Works Department memo., No. 2801 C., dated 9th June 1897, the Superintending Engineer, III Circle, submits a proposition statement of the extra temporary establishment required in the Bellary division on account of famine-relief works, and remarks that in the event of a failure of the monsoon, a much larger establishment will be required and will be applied for. The Examiner points out that in a famine division where the staff employed on relief works is necessarily an ever-fluctuating one, a formal scale can serve no really useful purpose, and suggests that the weekly lists submitted under paragraph 194 of the Famine Code be accepted, after approval by Government, for purposes of final audit.

2. The objection to the final acceptance of the weekly lists hitherto has been that the Government has no means of checking them, for there is nothing in them to show whether the appointments reported are new ones, or whether they are nominations to posts already approved in previous lists, in room of casualties by dismissal, resignation, &c.

3. The Government considers, however, that there is much force in the Examiner's remarks, and agrees to dispense with any formal scale, final audit being based on the weekly lists, after they have been sanctioned by Government. The weekly lists should, however, in future, contain only the designation and pay of the posts sanctioned, and the dates from which they commenced, and need not give the names of the individuals appointed. Posts already sanctioned in previous lists should not again be brought forward, and all lists, prior to submission to Government, should be countersigned by the Collector, in token of his approval. This is in accordance with G.O., No. 876 W., dated 26th March 1897, which declares that the Collector's approval is required to the *scale*, not to the *personnel* of the additional staff proposed. The Examiner will now finally pass the pay of all temporary establishments included in lists hitherto approved by Government.

4. This order will apply to all divisions in which relief works have been placed in charge of the Public Works Department.

(True Extract.)

(Signed) D. McNEIL CAMPBELL, Colonel, R.E.,
Secretary to Government.

To the Superintending Engineer, III Circle.
" the Superintending Engineer, I Circle.
" other Superintending Engineers.
" Examiner, Public Works Accounts.
" Revenue Department.

BUILDINGS AND ROADS.
CIVIL WORKS.

Government (1897) of Madras.

PUBLIC WORKS.

Recd. } 1897. *Enclosures*

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G.O., No. 2355 W., 25th August 1897.

AUGUST.

Residence for the Government Astronomer at Kodaikanal

Estimate of Rs. 19,663 for constructing a — in the Madura district, sanctioned with remarks.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

Read—again the following paper :—

G.O., No. 2950 W., dated 17th October 1896.

Read—also the following papers :—

From G. S. T. HARRIS, Esq., Consulting Architect to Government, to the Chief Engineer, Public Works Department, dated Chepâk, 3rd December 1896, No. 4449.

With reference to G.O., No. 2950 W., dated the 17th October 1896, I have the honour to submit, for approval, a revised drawing in pencil of the residence for the Government Astronomer to be erected at Kodaikánal.

2. The plan has been seen by the Astronomer. A copy of his letter is herewith forwarded.

3. This plan covers an area of 5,100 square feet, and taking the rate at Rs. 4, this design would cost Rs. 20,400 to carry out.

4. If you will kindly obtain general approval to the plan, I will proceed to have working drawings and the estimate made out in detail.

Enclosure.

Copy of a communication from Mr. C. MICHIE SMITH, Government Astronomer, Madras, to the Consulting Architect to Government, dated 16th November 1896.

I return with thanks the sketch of the Kodaikánal house. It seems to me very satisfactory. I have no criticisms to offer, and the only suggestion I would make is that there should be a door between the two bed-rooms, so that when they are not both required as such, one might be used as a dressing-room.

No. 4786 C.

In returning the pencil design of a residence for the Government Astronomer at Kodaikánal, received with letter from the Consulting Architect, No. 4449, dated 3rd December 1896, the undersigned has the honour to state that under G.O., No. 2950 W., dated 17th October 1896, the cost of the building, *including out-houses*, must not exceed Rs. 20,000. It is requested that the plan may be revised, so that the cost may be kept within that sum. It is thought that reduction may be made in the size of the library, dining-room and pantry.

(Signed) D. McNEIL CAMPBELL, Col., R.E.,
Chief Engineer.

10th December 1896.

From G. S. T. HARRIS, Esq., Consulting Architect to Government, to the Chief Engineer, Public Works Department, dated Chepâk, 19th January 1897, No. 4868.

I have the honour to forward the drawings and estimate for the residence of the Government Astronomer at Kodaikánal and to make the following remarks.

2. In your No. 4786 C., dated 10th December 1896, I was instructed not to exceed Rs. 20,000 for the building including out-houses. This estimate amounts to Rs. 20,958.

3. I have had two interviews with Mr. Michie Smith, and I have represented to him the reduction in the sizes of rooms as suggested by you. He quite agreed that this might be done in all rooms, but not in the library, which room he tells me will be his public office and library in which some 2,000 to 3,000 volumes will be shelved. I have therefore reduced the sizes of all rooms except the library.

4. I would now suggest the approval of the estimate, with the proviso that the coach-house and stable is not to be constructed, should the cost of construction reach Rs. 20,000. Omitting the coach-house, the estimate will amount to Rs. 19,750.

5. I am of opinion, however, that it will be found that this may eventually be constructed; the contingencies of the estimate amount to Rs. 975.

6. To this is appended a list of rates for some of the items worked out and entered as the rates in schedule. I have arrived at them by careful calculation and actual information. On the supposition that the whole of the woodwork, roofing, ironwork, doors and windows were made in Madras and forwarded by rail and road, these items could be done for the money. I enquired from the Railway authorities and the British India Steam Navigation Company, their freight for each kind of material. The former were favourable; the latter quite unjustifiable in my opinion. Mr. Hughes very kindly gave me information as to what the carriage would be from the railway (Ammayanáyakanur station) to the foot and up the hill.

Memo. No. 733, Public.

With reference to G.O., No. 360 W., dated 5th February 1897, the Chief Engineer, Public Works Department, is requested to consider a suggestion that has been made that the estimate amounting to Rs. 20,958 for constructing a residence for the Astronomer at Kodaikánal might be reduced to Rs. 20,000 or less, if all the woodwork and ornamental work required for it were prepared *in Madras* under competent supervision, and to give his opinion whether the suggestion could be adopted and whether the object in view would be thereby attained.

FORT ST. GEORGE,
24th March 1897.

(Signed) A. R. KNAPP,
for Chief Secretary.

Memo. No. 2776 C.

Referred to the Consulting Architect for very early report. The estimate is enclosed for reference.

(Signed) C. H. B. BURLTON,
for Secretary to Government.

5th June 1897.

Office-note from the Consulting Architect to Government, dated 11th June 1897, No. 653.

Without doubt all the woodwork, doors, roof of corrugated iron, could be made in Madras, put up in numbered packages and sent to Kodaikánal by rail and road, for less than the estimated rates. If the masonry work can be constructed at the rates given by Madura division, then the work will cost considerably less than Rs. 20,000.

If instead of teak, mango-wood floors and mango pannel doors be placed to the kitchen, bath-rooms, &c., and corrugated iron doors to coach-house, stable, out-offices, there would be a saving at least of Rs. 1,000 to 1,500 in addition, and these would be as effective as teak.

Office-note to the Consulting Architect to Government, dated Ootacamund, 26th June 1897, No. 623 D.

Please prepare an abstract estimate showing the total cost of the work by adopting the suggestions made in your note, No. 653, dated 11th June 1897, that the woodwork be made up at Madras and that mango wood be used instead of teak for floors, &c.

(Signed) C. H. B. BURLTON,
Under Secretary to Government.

From G. S. T. HARRIS, Esq., Consulting Architect to Government, to the Chief Engineer, Public Works Department, dated Chepâk, 3rd July 1897, No. 883.

With reference to your memo., No. 623 D., dated the 26th June 1897, I have the honour to resubmit the plan and estimate for the residence of the Government Astronomer at Kodaikánal, with the total estimate reduced from Rs. 20,958 to Rupees 19,663.

Memorandum from the Public Works Department, dated 16th July 1897, No. 825 D.

Read—the following papers :—

From the Consulting Architect to Government, dated 3rd July 1897, No. 883.

Note by the Chief Engineer, Public Works Department, dated 16th July 1897, No. 824 D.

The estimate may be sanctioned, but the undersigned is doubtful whether it is advisable to use mango wood for the boarded floors and doors unless it is very superior to any wood of the kind that he has seen. The materials, except the masonry, may be prepared in Madras by the Consulting Architect, but the work should be carried out by the Executive Engineer, Madura division, who is now constructing the Observatory buildings.

(Signed) D. McNEIL CAMPBELL, Colonel, R.E.,
Chief Engineer.

Memo. No. 825 D.

Forwarded to the Public Department for approval with reference to memo., No. 733, dated 24th March 1897.

(Signed) D. McNEIL CAMPBELL, Colonel, R.E.,
16th July 1897. Secretary to Government.

G.O., No. 1009, Public, dated 28th July 1897.

Read—the following papers :—

From the Government Astronomer, dated 18th February 1897, No. 42,

Memorandum from the Public Works Department, No. 825 D., dated 16th July 1897.

ABSTRACT.—Forwarding letter from the Consulting Architect to Government submitting the plan and estimate for the residence of the Government Astronomer at Kodaikánal.

Order—No. 1009, Public, dated 28th July 1897.

The estimate is approved subject to the remarks below. The Public Works Department will be requested to carry out the work with the least possible delay.

(1) Mango wood should be used for the less important doors and the flooring unless, in the latter case, teak can be provided without exceeding the estimate limit of Rs. 20,000.

(2) Chunam work round doors and windows should be omitted.

(3) In the four bath-rooms one of the small top panels should be glazed, the other fitted with perforated zinc, and the windows omitted.

(4) The window in the dressing-room is so placed that, when there is a dressing table of ordinary size in front of it, it will not be easy to pass through the door into the bath-room. This defect should be remedied.

(5) Chunam-plastering in the subsidiary buildings should be omitted, as it is very expensive on the hills and unnecessary.

(6) The panelled ceiling should also be omitted, if necessary, to effect a saving.

(True Extract.)

(Signed) F. J. WILSON,
for Chief Secretary.

ORDER—No. 2355 W., dated 25th August 1897.

The estimate amounting to Rs. 19,663 for constructing a residence for the Government Astronomer at Kodaikánal in the Madura district is sanctioned for immediate execution. An allotment of Rs. 12,000 for the work has been made in the Imperial Civil works budget for the current year.

2. All the materials, except the masonry, will be prepared at Madras by the Consulting Architect and forwarded to Kodaikánal. The work itself will be carried out by the Executive Engineer, Madura division.

3. Attention is drawn to the remarks in G.O., No. 1009, Public, dated 28th July 1897, recorded above. The Consulting Architect will report the probable saving that can be effected by carrying out the alterations proposed by the Public Department.

4. The estimate should on no account be exceeded.

5. This sanction has been registered as Imperial No. 1 W. of 1897–98, and classified as Civil Buildings—Original Works.

(True Extract.)

(Signed) D. McNEIL CAMPBELL, Colonel, R.E.,
Secretary to Government.

To the Consulting Architect to Government.
" Superintending Engineer, VI Circle.
" Public Department.
" Examiner, Public Works Accounts.

BUILDINGS AND ROADS.
CIVIL WORKS.

Government {1897} of Madras.

PUBLIC WORKS.

Recd. } 1897. *Enclosures*

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G.O., No. 2356 W., 25th August 1897.

AUGUST.

Water-supply Schemes

Memorandum from the Local and Municipal Department requesting the Public Works Department to furnish, on completion of the works, plans showing the main lines of the water pipes which are to be supplied at an early date in towns in which — are either now in progress or will in future be undertaken, communicated to Superintending Engineers for guidance.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following paper :—

Memorandum from the Secretary to Government, Local and Municipal Department, No. 875, dated 16th August 1897.

The Sanitary Engineer is requested to furnish this office with copies of the plans, showing the main lines of the water pipes, which are to be supplied at an early date to the Municipalities in which waterworks have been completed. The working plans of each project must show the lines of pipes, and it is believed that it will not entail much labour to transfer them to a map of the Municipality concerned.

2. The Public Works Department is requested to furnish similar plans on the completion of the works in other towns in which water-supply schemes are either now in progress or will, in future, be undertaken.

ORDER—No. 2356 W., dated 25th August 1897.

Communicated to Superintending Engineers for information and guidance.

(True Extract.)

(Signed) D. McNEIL CAMPBELL, Colonel, R.E.,
Secretary to Government.

To Superintending Engineers.

GENERAL.
ACCOUNT.

Government {1897} of Madras.

PUBLIC WORKS.

Recd. } 1897. *Enclosures*

Regd. } *Spare copies*

G.O., No. 2370 W., 26th August 1897.

AUGUST.

Funds

Sanctioning, with remarks, a re-appropriation of — for works in I Circle.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

Read—the following paper:—

From the Superintending Engineer, I Circle, dated 3rd August 1897, No. 370 G.L.

Order—No. 2370 W., dated 26th August 1897.

The undermentioned grants surrendered by the Superintending Engineer are withdrawn and credited to the Provincial reserve:—

Provincial Civil Buildings.

	RS.
(a) Constructing Deputy Collector's office at Ellore	14,900
(b) Improvements to the Taluk office and the construction of a building for the Stationary Sub-Magistrate at Narsapur ...	5,000
(c) Extending Normal and Union schools for the Training College at Rajahmundry	1,821
(d) Constructing a Tahsildar's office at Narasapatam	804
(e) Civil buildings—Repairs, Gódávari Central division	80
Total ...	22,605

2. The following allotments are made from the reserve:—

Provincial Civil Buildings.

Major Works.

	RS.
(f) Additions and improvements to the additional buildings attached to the Collector's office at Cocanada	885
(g) Constructing Deputy Tahsildar's office at Kottapetta	1,042
(h) Constructing a first-class Taluk office at Palkonda	596
(i) Constructing a residence for the Conservator of Forests at Waltair	4,097
(j) Constructing an office for the Conservator of Forests at Waltair.	1,510
(k) Constructing a Police hospital and Magazine, and improvements to the station-house at Chintapalli	4,200
(l) Demolishing and reconstructing the school-house at Koraput ...	719
(m) Constructing a Police Assistant Superintendent's quarters at Narasapatam	731
(n) Additions and alterations to the Deputy Collector's office at Vizianagram to suit the requirements of a Sub-divisional office	666
Minor Works.	
(o) Police station house at Devipatnam	507
(p) Lump sum for minor works, Gódávari Central division... ...	80
(q) Constructing an inspection-shed with out-houses at Jeypore ...	1,327
(r) Purchase and extension of a bungalow at Doliam as a residence for the Ghât Superintendent	501
(s) Constructing a cook-house for the Lunatic Asylum at Waltair...	1,444
Repairs.	
(t) Lump sum for the Vizagapatam division	1,500
Total ...	19,805

3. Under Civil Buildings—Minor works, the Superintending Engineer has applied for Rs. 1,000 and Rs. 1,800 for the Gódávari Eastern and Vizagapatam divisions, respectively. The demands have not been complied with, as no explanation in regard to the urgency of the requirements has been furnished and as all available funds are required for incomplete works of the past official year.

(True Extract.)

(Signed) D. McNEIL CAMPBELL, Colonel, R.E.,
Secretary to Government.

To the Superintending Engineer, I Circle.
„ Examiner, Public Works Accounts.
„ Revenue Department.

GENERAL.
ACCOUNT.

Government (1897) of Madras.

PUBLIC WORKS.

Recd. } 1897. *Enclosures*

Regd. *Spare copies*

G.O., No. 2380 W., 27th August 1897.

AUGUST.

Portland Cement

The proposals of the Chief Engineer for Irrigation in view to a more extended use of locally manufactured — in the department being introduced, approved, with remarks; and the Superintending Engineer, V Circle, directed to submit an estimate of the cost of constructing at the Public Works Stores a testing-house with apparatus complete.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

Read—the following papers :—

Office-note from the Chief Engineer for Irrigation, dated Ootacamund, 10th June 1897.

In paragraph 28 of Appendix X, Public Works Code, Volume II, it is stated: The Governor-General in Council therefore desires again to invite the special attention of Local Governments to the expediency of supplying the wants of Government by the purchase in the local market of articles of *bonâ fide* local manufacture. *The Government of India are desirous to give the utmost encouragement to every effort to substitute for articles now obtained from Europe, articles of bonâ fide local manufacture* or of indigenous origin ; and where articles of European and of Indian manufacture *do not differ materially in price and quality*, the Government would always be disposed to give the preference to the latter.

2. The Honourable Mr. Bliss lately enquired why local Portland cement was not used with reference to an indent for the English article from the Superintending Engineer, I Circle.

3. The only reason that can be assigned is that the general opinion is that Madras cement is much inferior to English cement.

4. Enquiries have since been made of the Manager of the Madras Cement Works, and the specification of cement that he forwards seems to be suitable if it can be worked up to. With the view of acting up to the wishes of the Government of India quoted above, it is proposed to make an arrangement by which the more extended use of locally manufactured cement may be introduced, provided always that the specification now forwarded by the Manager of the Cement Works is worked up to.

5. This proviso entails the systematic testing of cement which would be supplied to Government by the Madras Cement Works, and it is obvious that it would be impracticable and unworkable for officers of the department to do their own testing on each occasion of their requiring, perhaps, only small quantities of cement, and which is very often the case.

6. The arrangement that suggests itself to me is that the Madras Cement Works should contract with Government for the supply of cement to the General Superintendent of Public Works Stores, who would keep a stock of cement and have each supply tested as it came from the Cement Works. The officers of the department would then be able to indent on the General Superintendent for any quantity of cement required, with the knowledge that it had passed the prescribed test.

7. I would ask if you see any objections to such an arrangement being made, and also what centage it would be necessary to add to the Cement Works contract price, to cover the General Superintendent's charges.

8. In making this proposal I would call attention to the fact that the paragraph of the Code quoted above makes it incumbent on all officers of Government requiring stores of *European* manufacture to obtain them by indenting on the Secretary of State, and that if this is done in the case of English cement required, it is tested by the Store department at the India Office in the same way as I propose should be done by

the General Superintendent of Stores in the case of Indian cement. It is reasonable to expect, therefore, that the Indian article should be considerably cheaper than the English article, including all charges for testing.

9. It is probable that, under existing circumstances, a good deal of Portland cement, both English and Indian, which has been subjected to no test at all, is used in the department—such may be the case when works are done by contract and in cases where permission of Government is given for the local purchase of English cement.

No. 2922 C.

Referred to the Superintending Engineer, V Circle, for favour of remarks on the points in paragraphs 6 and 7 of Chief Engineer for Irrigation's note, and for any other remarks the General Superintendent may desire to offer.

2. Five hundred barrels of Portland cement were obtained from England on the indent sent with G.O., No. 2621 W., dated 10th September 1896, and 1,830 barrels on the indent forwarded with G.O., No. 3658 W., dated 19th December 1896. It should be reported how long this supply is expected to last.

18th June 1897. (Signed) D. McNEIL CAMPBELL, Colonel, R.E.,
Chief Engineer.

From H. A. MOSS, Esq., General Superintendent, Public Works Stores, to the Superintending Engineer, V Circle, dated 3rd July 1897, No. 89 S.

With reference to your endorsement, No. 169 P.W.S., dated 25th June 1897, I have the honour to inform you that cement is obtainable from the Madras Portland Cement Works at Rs. 8–8–0 per barrel, but the cost of cement obtained from the Secretary of State is about Rs. 10 per barrel.

2. The 1,830 barrels of cement indented for on the Secretary of State, in accordance with G.O., No. 1980 W., dated 4th July 1896, have just begun to arrive, 500 barrels having been received on the 1st instant. This supply was intended for twelve months, but as a larger quantity (1,000 barrels) was obtained from the Harbour Trust Board, half of which has been issued to divisions, no great demands will perhaps be made for some time, and the quantity now being received may probably be sufficient for the next eighteen months or so. A reference has, however, been made to all Superintending Engineers on this point.

3. As suggested by you, the testing of the cement might be done by the Executive Engineer, Lighthouse division, as he is getting out the necessary machines; but on the whole, I think it would be better to test it at the stores. The testing would have to be done regularly and systematically and sending about samples might lead to delay and confusion, and perhaps the samples might get damaged by damp in transit.

4. I would suggest that we have a testing godown built into which the cement should be taken when received from the Works. Each batch of, say, five casks would be marked with a number and a sample sufficient for two briquettes drawn at random from one of them. When the briquettes are tested at the end of the week, if up to the mark, the test could be marked on the casks which would then be passed into the store for issue. A register of the tests would be kept and the numbers of the various casks issued noted for reference. Other tests (weight and fineness) of the cement could also be taken and registered if necessary.

No. 239 W.

To the Chief Engineer, Public Works Department, with reference to his No. 2922 C., dated 18th June 1897, herewith returned.

8th July 1897. (Signed) C. C. RAWSON, Lt.-Col., RE.,
Supg. Engineer, V Circle.

Memo. No. 1054 D.

With reference to office-note from the Chief Engineer for Irrigation, dated 10th June 1897, making certain proposals in regard to the use of cement of local manufacture, the undersigned is directed to inquire—

(1) Whether it is certain that the Madras cement is really made in the country and of country materials.

(2) Whether it is certain that cement *can* be made in Madras equal in quality to English cement and at a lower price.

(Signed) D. McNEIL CAMPBELL, Colonel, R.E.,
Secretary to Government.

7th August 1897.

Office-note from the Chief Engineer for Irrigation, dated Ootacamund, 13th August 1897.

Memorandum No. 1054 D., dated 7th August 1897.

2. The undersigned has the honour to say that the cement referred to is made in Madras from clay excavated in the vicinity of the Works and from shells. The uncertainty of quality which at one time brought the cement rather into disfavour with Public Works officers is stated by the present Manager to have been due to the practice of mixing the shells *whole* with the clay before grinding together. This practice is now altogether abandoned and the shells ground before mixing.

3. There are English cements of probably better quality, but none of equal quality can be got for the same price. The saving by using Madras cement will be Rs. 6 or more per ton.

4. Some briquettes about a month old tested at the Works in the undersigned's presence last month showed a tensile strength of about 600 lb. for neat cement and 400 lb. for cement and sand.

(Signed) W. HUGHES,
Chief Engineer for Irrigation.

ORDER—No. 2380 W., dated 27th August 1897.

The proposals of the Chief Engineer for Irrigation are approved; but as there is now in stock an eighteen month's supply of English cement, the purchase of the local article need not be resorted to until the stock in store is exhausted.

2. Meanwhile the Superintending Engineer, V Circle, will submit an estimate of the cost of constructing at the Public Works Stores a testing-house with apparatus complete.

(True Extract.)

(Signed) D. McNEIL CAMPBELL, Colonel, R.E.,
Secretary to Government.

To the Chief Engineer for Irrigation.
,, Superintending Engineers.
,, the Consulting Architect to Government.
,, the Executive Engineer, Lighthouse division.
,, the Examiner, Public Works Accounts.

Government {1897} of Madras.

PUBLIC WORKS.

Recd.	1897.	*Enclosures*
Regd.		*Spare copies*

G.O., No. 2386 W., 27th August 1897.

AUGUST.

Old European Jail at Ootacamund

Permitting the Nilgiri Volunteer Rifles, as a temporary measure, to retain the portion of the — now occupied by the armourer on payment of rent at Rs. 8 per mensem from 1st August 1897, and stating that the Corps must be prepared to vacate them on a month's notice.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

Read—the following papers :—

From A. A. G. MALET, Esq., Executive Engineer, Coimbatore division, to the Superintending Engineer, IV Circle, dated Coimbatore, 15th July 1897, No. 2785.

I have the honour to bring to your notice that when the Nilgiri Volunteer Rifles vacated the old European Jail at Ootacamund on 30th June 1896, a portion of the Jail building continued to be occupied by their armourer.

2. I attach a valuation statement, which estimates the value of the building occupied by the armourer, Nilgiri Volunteer Rifles, at Rs. 1,300.

3. I only found out that this building was still being occupied, without permission, after the Nilgiri Volunteer Rifles had reported that they had vacated the Jail buildings at the end of May last.

4. On enquiry as to the particulars of the case, Sergeant Kirby (the Sergeant-Major, Nilgiri Volunteer Rifles) informed me that the building in question was formerly an open blacksmith's shop.

That the Corps made it fit for a residence for their armourer at a cost of Rs. 130 in June 1892, when they occupied the Jail buildings and were verbally permitted to do so, provided Government was put to no extra expense.

5. At that time this building was included in the rent paid by the Nilgiri Volunteer Rifles for the whole of the Jail buildings occupied by them.

6. The rent of this building, as calculated according to Code rules, is Rs. 8. The building is not required at present, but will probably be required if the Jail is turned into offices (*vide* Chief Engineer's No. 228 D., dated 15th May 1897, bearing your endorsement No. 304, dated 19th May 1897).

7. I have the honour to request instructions as to whether rent should be demanded from the Nilgiri Volunteer Rifles for the use of this building. As the Corps made the building habitable, I would suggest that the past 13 months' rent, viz., from 1st July 1896 to 31st July 1897, may be remitted and that rent be charged (if the Nilgiri Volunteer Rifles wish to retain the building) at a rate of Rs. 8 per mensem from the 1st August 1897.

No. 395/W.

Submitted to the Chief Engineer, Public Works Department, for favour of orders.

(Signed) J. HANNAN,
Suptg. Engineer, IV Circle.

19th July 1897.

No. 919 D.

Referred to the Deputy Adjutant-General, Madras Command, for favour of report as to whether the Volunteer Corps wishes to retain the quarters for the present, and if so, whether it accepts the proposed rental of Rs. 8 per mensem from 1st August 1897.

24th July 1897. (Signed) D. McNEIL CAMPBELL, Colonel, R.E.,
Secretary to Government.

(ii)

No. B./M.W. 11671.

Referred for favour of early report by the Commandant, Nilgiri Volunteer Rifles.

Return requested.

(By order.)

OOTACAMUND, (Signed) P. NEVILLE, Colonel,
28th July 1897. *for* Deputy Adjutant-General.

To the General Officer Commanding Southern District.

(iii)

No. 2771 B.

Forwarded for compliance with reference to minute (ii).

Early return requested.

(By order.)

WELLINGTON, (Signed) T. H. HAUGHTON, Major,
29th July 1897. Asst. Adjutant-General, Southern District.

To the Commandant, Nilgiri Volunteer Rifles.

(iv)

No. 151/P.D.

The Corps does wish to retain the quarters in question, and accepts with thanks the proposal to charge Rs. 8 per mensem for them from 1st August 1897.

OOTACAMUND, (Signed) R. E. COX, Colonel,
2nd August 1897. Comdt., Nilgiri Volunteer Rifles.

To the Assistant Adjutant-General,
Southern District, Wellington.

(v)

No. 2869 B.

Resubmitted. Please see preceding minute.

(By order.)

WELLINGTON, (Signed) E. J. LUGARD, Brigdr.-Genl.,
5th August 1897. Commanding Southern District.

To the Deputy Adjutant-General, Ootacamund.

Memo. No. B./M.W.—12410.

Forwarded for information with reference to your memo., No. 919 D. of the 24th ultimo, herewith returned with its enclosures.

Ootacamund,
11th August 1897.

(Signed) P. NEVILLE, Colonel,
for Deputy Adjutant-General.

Order—No. 2386 W., dated 27th August 1897.

The Nilgiri Volunteer Rifles will, as a temporary measure, be permitted to retain the portion of the old European Jail at Ootacamund now occupied by the armourer, on payment of rent at Rs. 8 per mensem from the 1st August 1897.

2. As the quarters may at any time be required for Civil offices, the Corps must be prepared to vacate them on a month's notice.

(True Extract.)

(Signed) D. McNEIL CAMPBELL, Colonel, R.E.,
Secretary to Government.

To the Superintending Engineer, IV Circle.
,, Examiner, Public Works Accounts.

Copy to the Deputy Adjutant-General, Madras Command,
for the information of His Excellency the
Lieutenant-General Commanding the Forces.

BUILDINGS AND ROADS.
MILITARY WORKS.

Government (1897) of Madras.

PUBLIC WORKS.

Recd. } 1897. *Enclosures*

Regd. *Spare copies*

G.O., No. 2387 W., 27th August 1897.

AUGUST.

Verification of Cantonment Boundaries

Letter from the Deputy Adjutant-General, Madras Command, forwarding copy of a letter from the Quartermaster-General in India with regard to the — and the preparation of copies of cantonment plans in the Madras Command, communicated to Superintending Engineers concerned for guidance; and the Superintendent, Government Press, directed to furnish the Deputy Adjutant-General with copies of certain notification after publication in the Gazette.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Military Works.

Read—the following paper:—

From the Deputy Adjutant-General, Madras Command, to the Secretary to Government, Public Works Department, dated Ootacamund, 18th August 1897, No. B./B. 12813.

With reference to Proceedings of Madras Government, No. 1300 W., dated 19th May 1897, I am desired to forward herewith, for the information of Government, a copy of letter, No. 1908 B., dated 14th July 1897, from the Quartermaster-General in India, with regard to the verification of cantonment boundaries and the preparation of copies of cantonment plans in this Command.

Enclosure.

Copy of a letter from the Quartermaster-General in India, to His Excellency the Lieutenant-General Commanding the Forces, Madras, dated Simla, 14th July 1897, No. 1908 B.

In reply to your Excellency's No. B./B. 8830, dated 5th June 1897, I am directed by the Commander-in-Chief to say that, in view to the very great importance of ensuring that the plans and schedules of cantonment boundaries agree, His Excellency considers that the procedure laid down in paragraph 168 of the schedule of procedure under which such documents are to be checked by the Chief Engineer, Military Works, of the Command, should continue irrespective of whether the cantonment is in Military Works or Public Works Department charge.

2. His Excellency is of opinion that the intervention of the Chief Engineer, Public Works Department, would be calculated to complicate matters besides causing delay, and that the responsibility for the accuracy of both the plan and schedule of the boundary before submission to Government is essentially a matter which must rest with Command head-quarters.

3. As regards the preparation of the three additional copies of the plans required for distribution by Command head-quarters to—

(*a*) The General Officer Commanding the district,
(*b*) Civil officer of the district,
(*c*) Government of India, Military Department,

I am to say that once the originals have been finally checked with the schedules by the Chief Engineer, Military Works, of the Command, and found correct, and the boundaries sanctioned by the Military Department, these additional copies should be prepared in the office of the Executive Engineer, Public Works Department or Military Works Department, as the case may be, by whom the original plan and schedule were prepared.

4. I am to add that there appears to be no necessity for making additional copies of schedules describing the boundaries for distribution, inasmuch as printed copies of the Gazette notification containing such descriptions are, or should be, furnished to Command head-quarters by the local Government concerned.

Order—No. 2387 W., dated 27th August 1897.

Communicated with reference to G.O., No. 1300 W., dated 19th May 1897, to the Superintending Engineers concerned for information and guidance.

2. The Superintendent, Government Press, will furnish the Deputy Adjutant-General with four copies of the notification referred to in paragraph 4 of the letter from the Quartermaster-General in India, No. 1908 B., dated 14th July 1897, after publication in the Gazette.

(True Extract.)

(Signed) D. McNEIL CAMPBELL, Colonel, R.E.,
Secretary to Government.

To the Superintending Engineers, I, IV and VI Circles.
" Superintendent, Government Press.

Copy to the Deputy Adjutant-General, Madras Command,
for the information of His Excellency
the Lieutenant-General Commanding the Forces.

GENERAL.
ACCOUNT.

Government (1897) of Madras.

PUBLIC WORKS.

Recd. } 1897.
Regd.

Enclosures

Spare copies

G.O., No. 2394 W., 30th August 1897.

AUGUST.

Indent

Ordered that an — for a Stoney's sluice and other stores emergently required for the headworks of the Periyár project, be forwarded to the Home Government for early compliance.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

READ—the following papers :—

Copy of a letter from H. A. MOSS, Esq., General Superintendent, Public Works Stores, to the Superintending Engineer, V Circle, dated 29th July 1897, No. 117 S.

With reference to your Nos. 199 & 202 P.W.S., dated 17th and 18th July 1897, respectively, I have the honour to forward herewith a special indent No. 9 in triplicate with revised plan and specification for "Stoney's sluice" required from England for the Periyár headsluice. The remaining plans and estimate are also returned herewith.

2. Copies of the plans and estimate have been made for this office.

No. 293 W.

Forwarded to the Chief Engineer, Public Works Department, with the plans and estimates for disposal, with reference to G.O., No. 658 I., dated 16th July 1897, through the Examiner, Public Works Accounts.

(Signed) C. C. RAWSON, Lieut.-Col., R.E.,
Superintending Engineer, V Circle.

30th July 1897.

From the Examiner of Public Works Accounts, dated 15th August 1897, No. 2576 D./B.

ORDER—No. 2394 W., dated 30th August 1897.

The indent will be forwarded to the Home Government for early compliance, the instruction in paragraph 4 of G.O., No. 658 I., dated 16th July 1897, being attended to.

[Here enter No. $\frac{22}{2394\ W.}$, dated 30th August 1897.]

(True Extract.)

(Signed) D. McNEIL CAMPBELL, Colonel, R.E.,
Secretary to Government.

To the Chief Engineer for Irrigation.
" Superintending Engineer, V Circle.
" " " VI "
" Examiner, Public Works Accounts.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

(Copy.)

LETTER to the Right Honourable the Secretary of State for India.

No. $\frac{22}{2394\ W.}$, dated 30th August 1897.

FORWARDING, with remarks, and for favour of very early compliance, an indent for a Stoney's sluice and other stores emergently required for the headworks of the Periyár project.

PUBLIC WORKS DEPARTMENT.

Letter—to

The Right Honourable the SECRETARY of STATE for INDIA.

My Lord,

We have the honour to forward, for favour of very early compliance, an indent in duplicate for a Stoney's sluice and other stores emergently required for the headworks of the Periyár project.

2. A copy of our Proceedings, No. 658 I., dated 16th July 1897, containing a detailed specification of the sluice, together with three plans, is also transmitted herewith. A certificate showing that the necessary provision of funds has been made to meet the cost of the indent, is endorsed on the original indent.

3. The shutter, which is of a patented design, can be manufactured only by Messrs. Ransomes & Rapier, Waterside Iron-works, Ipswich. We request that your Lordship will be good enough to permit the makers in England to correspond direct with the Chief Engineer for Irrigation at Madras on the subject of the details of the design, as this course will save much delay. It is important that the iron work should be at Periyár before the end of February next, as otherwise the works will be without an efficient regulator for another year.

We have the honour to be,

My Lord,

Your Lordship's most obedient, humble servants,

(Signed) A. E. HAVELOCK.

(„) H. W. BLISS.

(„) J. GROSE.

(By order.)

(Signed) D. McNEIL CAMPBELL, Colonel, R.E.,
Secretary to Government.

Ootacamund,
30th August 1897.

GENERAL.
ACCOUNT.

Government {1897} of Madras.

PUBLIC WORKS.

Recd.	1897.	*Enclosures*	
Regd.		*Spare copies*	

G.O., No. 2395 W., 30th August 1897.

AUGUST.

Funds

Allotting, with remarks, a sum of Rs. 240 to meet the cost of the boxes for storage of pouch ammunition supplied to the regiment at Quilon, and informing officers of the department that the supply of these boxes devolves on the Ordnance Department and that G.O., No. 3423 W., dated 26th October 1888, is still in force.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

Read—the following papers:—

From Brigadier-General J. H. PRENDERGAST, Commanding Southern District, to the Deputy Adjutant-General, Madras Command, dated Wellington, 22nd December 1896, No. 4689 B.

I have the honour to bring to notice that there are two outstanding charges for minor works executed at Quilon by the Public Works Department, regarding which I should be glad of the orders of His Excellency the Lieutenant-General Commanding.

* * * * *

Item 2 is a charge of Rs. 240 for providing seven kit-boxes for storage of pouch ammunition of the regiment at Quilon. The Officer Commanding 28th Madras Infantry had demanded boxes from the Public Works Department in July 1894, and on 21st September 1894. I received a letter from the Superintending Engineer, IV Circle, asking for an allotment of Rs. 240 for providing them, and stating that as they were urgently required by the Officer Commanding, he had sanctioned the estimate. As I considered the charge very high, I called for the estimate which I received on 13th November 1894, and found that much unnecessary expense had been incurred. I therefore returned the estimate to Officer Commanding 28th Madras Infantry, directing its revision and stating that a charge of about Rs. 10 per box should be quite sufficient.

On the 7th January 1895, the correspondence was returned with the information that the work had been completed on the 27th October 1894.

After some further correspondence with the Superintending Engineer, I allotted Rs. 137-8-0, the remaining balance of the minor work grant on the 12th March 1895, and informed him that no further grant would be made for the work in question. This allotment was allowed to lapse, although the work had been done months before, and nothing remained but to pay it. The item is still outstanding, as I have declined to make any further allotment on the grounds that the work was done without my knowledge or approval, and the charge was most exorbitant, and the small amount at my disposal is fully needed each year for current requirements which are always far larger than the money sanctioned to meet them.

(ii)

No. B./B. 1424.

For favour of any remarks you may wish to make, as boxes for the storage of pouch ammunition appears to be an ordnance supply. Please return.

Ootacamund,
26th January 1897.

(Signed) A. H. B. CAVAYE, Major,
for Deputy Adjutant-General.

To the Inspector-General of Ordnance, Madras Command.

(iii)

No. O./18515.

Under Military Department, Government of Madras, No. 7024, dated 22nd October 1888, boxes for soldiers' kit, which are those sanctioned for issue for storage of pouch ammunition, are provided by the Ordnance Department.

The cost of manufacture in the Madras Gun Carriage Factory is given by the Examiner of Ordnance Accounts as Rs. 12–12–8 each.

13th February 1897. (Signed) W. E. KERRICH, Capt., R.E.,
for Inspr.-Genl. of Ordnance, M.C.

To the Deputy Adjutant-General, Madras Command.

(iv)

No. B./B. 2624.

Please say why the boxes in question were not obtained from the Ordnance Department, in accordance with the Proceedings of Madras Government * quoted above.

* Copy communicated with Quartermaster-General's No. 3735 B., dated 9th November 1888.

Return requested.

(By order.)

Ootacamund,
17th February 1897. (Signed) A. H. B. CAVAYE, Major,
for Deputy Adjutant-General.

To the General Officer Commanding Southern District.

(v)

No. 872 B.

Returned as requested.

The Officer Commanding 28th Madras Infantry at Quilon applied to the Executive Engineer, Public Works Department, to supply the kit-boxes without any reference to this office. It is suggested that a reference may be made to that officer.

Wellington,
27th February 1897. (Signed) E. J. LUGARD, Brigdr.-Genl.,
Commanding Southern District.

To the Deputy Adjutant-General, Ootacamund.

(vi)

No. B./B. 3508.

Please call upon the Commandant, 28th Regiment, Madras Infantry, to furnish the information asked for in minute No. (iv).

Return requested.

(By order.)

Ootacamund,
2nd March 1897. (Signed) A. H. B. CAVAYE, Major,
for Deputy Adjutant-General.

To the General Officer Commanding Madras District.

(vii)

No. 818 B.

For early compliance and return.

(By order.)

Fort St. George, 4th March 1897.

(Signed) J. W. CURRIE, Major,
Asst. Adjt.-Genl., Madras District.

To the Commandant, 28th Madras Infantry.

(viii)

No. 113.

The kit-boxes in question were obtained in accordance with G.O.C.C. No. 610 of 9th December 1887, page 395.

Madras, 6th March 1897.

(Signed) F. G. PRESTON, Lieut.-Col.,
Commandant, 28th Madras Infantry.

To the Assistant Adjutant-General, Madras District.

(ix)

No. 881 B.

Forwarded.

2. Proceedings of Madras Government, No. 7024, dated the 22nd October 1888, appears to have been superseded by Proceedings of Madras Government, No. 7730, dated the 19th November 1888, which latter directs that boxes for the storage of pouch ammunition should be supplied as fixtures by the Public Works Department.

Fort St. George, 9th March 1897.

(Signed) J. T. CUMMINS, Brigdr.-Genl.,
Commanding Madras District.

To the Deputy Adjutant-General, Madras Command.

(x)

No. B./B. 4731.

For favour of opinion.

2. With reference to Proceedings of Madras Government, No. 7730, dated 19th November 1888, which clearly expresses the orders of the Government of India that boxes for storage of pouch ammunition for native troops should be supplied as fixtures by the Public Works Department, any allotment from "minor works" in the matter under reference appears to have been irregular.

Early return requested.

Ootacamund, 22nd March 1897.

(Signed) P. NEVILLE, Lieut.-Col.,
for Deputy Adjutant-General.

To the Controller of Military Accounts, Madras Command.

(xi)

No. 428.

Returned as requested.

2. The kit-boxes for the storage of pouch ammunition should have been obtained by the Commandant, 28th Regiment, Madras Infantry, from the Ordnance Department, that being the department of supply in the Madras Command (*vide* Proceedings of Madras Government, No. 7024, dated 22nd October 1888).

3. The above-quoted order does not appear to have been superseded by Proceedings of Madras Government, No. 7730, dated 19th November 1888, as stated by the General Officer Commanding Madras District, as the Barrack department in the Madras Command is not a manufacturing department.

4. With reference to the latter portion of paragraph 23, Chapter X, Public Works Department Code, Volume II, the Public Works Department should not apparently have undertaken to supply the boxes, as they are still articles of ordnance supply in the Madras Command.

5. If the boxes had been supplied by the Ordnance Department, they would not have been charged for. The cost of boxes supplied by the Ordnance Department is Rs. 89-8-8 against Rs. 240 charged by the Public Works Department.

6. The boxes having been supplied by the Public Works Department at Quilon, it is considered that the charges incurred on that account should not have been met from any allotment under "minor works."

MADRAS, (Signed) G. W. SAWYER, Lieut.-Col.,
26th April 1897. Controller of Military Accounts.

To the Deputy Adjutant-General, Madras Command.

(xii)

No. B./B. 7088.

For favour of remarks.

The price charged for these boxes by the Public Works Department at Quilon appears greatly in excess of the requirements of the case.

(Signed) P. NEVILLE, Lieut.-Col.,
5th May 1897. Asst. Quartermaster-General.

To the Chief Engineer, Public Works Department.

No. 2565 C.

Referred to the Superintending Engineer, IV Circle, for report as to why the work was undertaken by the Public Works Department, and for explanation as to the alleged high price charged.

(Signed) D. McNEIL CAMPBELL, Col., R.E.,
19th May 1897. Chief Engineer.

From the Executive Engineer, West Coast Division, to the Superintending Engineer, IV Circle, dated 2nd June 1897, No. 315.

With reference to your No. 257/W.C., dated 24th May 1897 (herewith returned), I have the honour to invite your attention to the correspondence ending with this office No. 125, dated 11th March 1895, from which it will be observed that the kit-boxes were supplied in October 1894 on emergent requisition from the Officer Commanding Quilon.

2. The estimate of Rs. 240 was framed by the Chief Engineer, Travancore, and sanctioned by the Superintending Engineer in circle register No. 49 of 1894–95, and the work was executed by the Travancore Public Works Department.

No. 306/W.

Copy submitted to the Chief Engineer, Public Works Department, with reference to his endorsement No. 2565 C., dated 19th May 1897, herewith returned with its enclosures.

(Signed) J. HANNAN,
Supg. Engineer, IV Circle.

7th June 1897.

No. 558 D.

Forwarded to the Deputy Adjutant-General, Madras Command, with reference to Lieutenant-Colonel Neville's endorsement of 5th May 1897 herewith returned with enclosures.

2. The local Public Works officers appear to have been misled by G.O., No. 7730, Military, dated 19th November 1888, and thus undertook the supply. The work was carried out by the Chief Engineer, Travancore, on behalf of the Madras Public Works Department, there being no agency of the latter department at Quilon. This probably accounts for the high cost.

3. It should apparently be made clear that G.O., No. 7730, Military, dated 19th November 1888, is not applicable to the Madras Command, and that G.O., No. 7024, Military, dated 22nd October 1888, is still in force. If His Excellency the Lieutenant-General approve, the necessary orders will be issued to Public Works officers; meanwhile the charge should be admitted.

(Signed) C. H. B. BURLTON,
for Chief Engineer.

17th June 1897.

Office-note from Lieutenant-Colonel P. NEVILLE, Assistant Quartermaster-General, dated 24th June 1897.

It is not clear *why* G.O., No. 7730, dated 19th November 1888, is "not applicable to the Madras Command." Please explain.

2. It is also not clear *by whom* it is intended that the charge should be admitted. His Excellency the Lieutenant-General Commanding refuses to sanction any more than the Ordnance charges.

P.S.—The favour of *early return.*

Memorandum to the Deputy Adjutant-General, Madras Command, dated 5th July 1897, No. 715 D.

In returning Lieutenant-Colonel Neville's endorsement of 24th June 1897, and connected papers, the undersigned has the honour to reply as follows :—

(1) The assumption that G.O., No. 7730, Military, dated 19th November 1888, is not applicable to the Madras Command, was based on the remarks in the Controller's endorsement No. 428, dated 26th April 1897, to the effect that the Ordnance Department is the department of supply in the Madras Command for boxes for the storage of pouch ammunition, and that G.O., No. 7024, Military, dated 22nd October 1888, was not superseded by G.O., No. 7730, Military, dated 19th November 1888.

(2) The charge having been incurred by the Chief Engineer, Travancore, on behalf of the Madras Public Works Department, the outlay must be adjusted. It will be admitted by Government as a debit to the grant for Military works in charge of the Public Works Department.

(Signed) D. McNEIL CAMPBELL, Col., R.E.,
Chief Engineer.

From the Deputy Adjutant-General, Madras Command, to the Chief Engineer, Public Works Department, dated Ootacamund, 17th July 1897, No. B./B. 11028.

With reference to paragraph 2 of your memo., No. 715 D., dated the 5th instant, I have the honour to request you will be so good as to move Government to allot the amount outstanding on account of the charges referred to therein, in view to the early adjustment of the same.

From the Deputy Adjutant-General, Madras Command, 29th July 1897, No. B/B. 11739.

Order—No. 2395 W., dated 30th August 1897.

A sum of Rs. 240 is allotted under Minor works by transfer from the reserve with the Government under Imperial—Military—Repairs, to meet the cost of the boxes for storage of pouch ammunition supplied to the regiment at Quilon. The Superintending Engineer, IV Circle, will arrange for the early adjustment of the outlay.

2. The officers of the department will be informed that the supply of these boxes devolves on the Ordnance Department and that G.O., No. 3423 W., dated 26th October 1888, is still in force.

(True Extract.)

(Signed) D. McNEIL CAMPBELL, Colonel, R.E.,
Secretary to Government.

To the Superintending Engineer, IV Circle.
„ other Superintending Engineers.
„ the Examiner, Public Works Accounts.
„ the Deputy Adjutant-General, Madras Command, for the information of His Excellency the Lieutenant-General Commanding the Forces.

BUILDINGS AND ROADS.
CIVIL WORKS.

Government {1897} of Madras.

PUBLIC WORKS.

Recd. } 1897. *Enclosures*

Regd. *Spare copies*

G.O., No. 2396 W., 30th August 1897.

AUGUST.

Famine-relief Works

Sanctioning certain estimates for road-works for — in the Trichinopoly district on the understanding that they will be put in hand only in the event of famine occurring in the district.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following paper :—

From Lieutenant-Colonel O. V. BODDY, R.E., Superintending Engineer, VI Circle, to the Chief Engineer, Public Works Department, dated Trichinopoly, 9th July 1897, No. 1254 T.C.

I have the honour to submit, for your approval and sanction, estimates as per list appended for famine-relief works in the Trichinopoly district, and to inform you that the President, District Board, states that these works will be put in hand only in the event of famine.

2. I enclose copies of the resolutions of the Taluk and District Boards sanctioning these estimates.

3. The rates are fair and the estimates are recommended for sanction.

ORDER—No. 2396 W., dated 30th August 1897.

The undermentioned estimates for famine-relief works in the Trichinopoly district are sanctioned on the understanding that they will be put in hand only in the event of famine occurring in the district :—

"33. *Famine Relief*"—*Local.*

Details.	Amount of estimate.
	RS.
(1) Metalling and gravelling road No. 3 from Trichinopoly to Madras in the Perambalúr taluk, from miles 151 to 185	51,400 (Regr. No. 25 W. of 1897-98).
(2) Metalling and gravelling road No. 10 from Trichinopoly to Dindigul in the Kulittalai taluk, from miles 24 to 43	23,500 (Regr. No. 26 W. of 1897-98).
(3) Metalling and gravelling road No. 11 from Trichinopoly to Karúr in the Kulittalai taluk, from miles 16 to 40	44,000 (Regr. No. 27 W. of 1897-98).
(4) Metalling and gravelling road No. 15 from Ariyalúr to Attur in the Perambalúr taluk, 34 miles ...	57,800 (Regr. No. 28 W. of 1897-98).
(5) Metalling and gravelling road No. 4 from Trichinopoly to Mannárgudi in the Trichinopoly taluk, from miles 13 to 23	21,000 (Regr. No. 29 W. of 1897-98).
(6) Metalling and gravelling road No. 1 from Trichinopoly to Salem in the Musiri taluk, from miles 29 to 38.	10,700 (Regr. No. 30 W. of 1897-98).
(7) Metalling and gravelling road No. 1 from Trichinopoly to Salem in the Trichinopoly taluk, from miles 1 to 9	21,300 (Regr. No. 31 W. of 1897-98).

Details.	Amount of estimate.
	RS.
(8) Metalling and gravelling road No. 1 from Trichinopoly to Salem in the Musiri taluk, from miles 10 to 28.	34,850 (Regr. No. 32 W. of 1897-98).
(9) Metalling and gravelling road No. 4 from Trichinopoly to Mannárgudi in the Udaiyárpálaiyam taluk, from miles 24 to 65	40,000 (Regr. No. 33 W. of 1897-98).
(10) Metalling and gravelling road No. 10 from Trichinopoly to Dindigul in the Trichinopoly taluk, from miles 3 to 17	23,900 (Regr. No. 34 W. of 1897-98).
(11) Metalling and gravelling road No. 11 from Trichinopoly to Karúr in the Trichinopoly taluk, from miles 1 to 16	26,000 (Regr. No. 35 W. of 1897-98).
(12) Gravelling road No. 17 ferry from Jayankondasólapuram to Madanakurichi in the Udaiyárpálaiyam taluk	14,000 (Regr. No. 36 W. of 1897-98).
(13) Metalling and gravelling road No. 39 from Turaiyúr to Perambalúr from miles 1 to 15, except 8th and 9th miles	12,150 (Regr. No. 37 W. of 1897-98).
(14) Metalling and gravelling road No. 9 from Trichinopoly to Madura in the Kulittalai taluk from miles 235 to 239	10,000 (Regr. No. 38 W. of 1897-98).
(15) Metalling and gravelling road No. 13 from Musiri to Turaiyúr in the Musiri taluk, from miles 1 to 17 ...	20,000 (Regr. No. 39 W. of 1897-98).
(16) Gravelling road No. 14 from Manapparai to Tuvarankurich *viâ* Puthuvakam in the Kulittalai taluk, from miles 1 to 17	12,500 (Regr. No. 40 W. of 1897-98).
(17) Metalling and gravelling road No. 25 from Kulittalai to Koilpatti in the Kulittalai taluk, from miles 1 to 23.	20,000 (Regr. No. 41 W. of 1897-98).
(18) Metalling and gravelling road No. 58 from Thottiyam to Kattuputhur in the Musiri taluk, from miles 1 to 8.	11,300 (Regr. No. 42 W. of 1897-98).
Total ...	4,54,400

2. It is observed that the estimate for item 16 has been increased from Rs. 11,500 to Rs. 12,500 by the correction of an arithmetical error.

(True Extract.)

(Signed) D. McNEIL CAMPBELL, Colonel, R.E.,
Secretary to Government.

To the Superintending Engineer, VI Circle, with 64 enclosures.
" Examiner, Public Works Accounts.
" Local and Municipal Department.

GENERAL.
ACCOUNT.

Government (1897) of Madras.

PUBLIC WORKS.

Recd. } 1897. *Enclosures*

Regd. *Spare copies*

G.O., No. 2400 W., 30th August 1897.

AUGUST.

Remissions of Rent

Government of India letter sanctioning the remission of rent for certain official residences for the periods they were rendered uninhabitable by reason of extensive repairs being in progress and stating that —, under similar circumstances, may be made in future by the Government of Madras, communicated to Superintending Engineers, III and IV Circles, and to other officers of the Public Works Department for guidance.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

Read—the following paper :—

From N. F. MACKENZIE, Esq., Under Secretary to the Government of India, Public Works Department (Civil Works—Buildings), to the Secretary to the Government of Madras, Public Works Department, dated Simla, 17th August 1897, No. 391 B.

With reference to your letter, No. 1973 W., dated the 21st July 1897, I am directed to communicate the sanction of the Government of India to the remission of rent in the cases, and for the periods, noted on the margin, during which the official residences provided for the officers in question were rendered uninhabitable by reason of extensive repairs being in progress.

1. Head Assistant Collector at Pollachi during October 1896.
2. Sub-Engineer in charge of Nilgiri sub-division from 25th November to 7th December 1896.
3. Executive Engineer, Kurnool division, from 22nd to 28th March 1897.

2. I am at the same time to say that remissions of rent may be made in future by the Government of Madras, under similar circumstances, *i.e.*, for such periods as a house may be uninhabitable owing to extensive repairs, whether the tenant who should occupy it is compelled to hire another building or not, such remissions, however, being reported to the Government of India for information.

Order—No. 2400 W., dated 30th August 1897.

Communicated to the Superintending Engineers, III and IV Circles, with reference to G.O., No. 1972 W., dated 21st July 1897, and to all other officers of the Public Works Department for information and guidance.

(True Extract.)

(Signed) D. McNEIL CAMPBELL, Colonel, R.E.,
Secretary to Government.

To the Superintending Engineer, III Circle.
„ the „ „ IV „
„ all other Superintending Engineers.
„ the Examiner, Public Works Accounts.
„ the Chief Engineer for Irrigation.
„ the Consulting Engineer for Railways.
„ the Examiner, Railway Accounts.

GENERAL.
ACCOUNT.

Government (1897) of Madras.

PUBLIC WORKS.

Recd. } 1897. *Enclosures*

Regd. *Spare copies*

G.O., No. 2407 W., 31st August 1897.

AUGUST.

Outlay in excess of Appropriation

Directing that the view of the Examiner, concurred in by Government, that — of Rs. 500 and less under funds other than Imperial and Provincial, noticed after the close of the official year need not be reported for sanction of Government, and that only excesses of over Rs. 500 should be treated as objectionable, be adhered to in future.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

Read—the following papers :—

From Lieutenant-Colonel C. C. RAWSON, R.E., Superintending Engineer, V Circle, to the Chief Engineer, Public Works Department (through the Examiner, Public Works Accounts), dated Chepâk, 2nd June 1897, No. 162 W.

I have the honour to request that sanction of Government may be obtained to the Examiner, Public Works Accounts, passing the excess expenditure of Rs. 6 incurred over the grant of Rs. 5,925 under Incorporated Local Funds—Repairs—Communications, for the Tanjore division, for 1896–97.

The excess is so small that it requires no special explanation.

No. 1803 D./A.

Forwarded.

4th June 1897.

(Signed) E. A. DENNYS,
Examiner, Public Works Accounts.

Office-note to the Examiner, Public Works Accounts, dated 15th June 1897, No. 2879 C.

For favour of remarks as to whether the sanction of Government is necessary to admit the excess outlay which is less than Rs. 500.

(Signed) C. H. B. BURLTON,
Under Secretary to Government.

Office-note from the Examiner, Public Works Accounts, dated 18th June 1897, No. 1944 D./A.

Yes. Please see G.O., No. 2206 W., dated 5th September 1894.

Office-note to the Examiner, Public Works Accounts, dated 7th July 1897, No. 3119 C.

G.O., No. 2206 W., dated 5th September 1894, quoted by you refers to outlay *without* appropriation and requires that an allotment should be made during the year in which expenditure is to be incurred, as the equilibrium between the grant and the outlay will be disturbed if no appropriation is made.

2. The case now in question is outlay *in excess of* appropriation. No allotment can now be made as the official year has already expired and the equilibrium between the grant and the expenditure will not therefore be left undisturbed even if the excess is sanctioned by Government.

3. It is utterly impossible for executive officers to work up to the very pie of their grant, and it does not seem fair to insist upon those officers obtaining the sanction of Government to trifling excesses.

4. Please reconsider your office-note under reply in the light of the above remarks and let me know whether you still consider the sanction of Government necessary to the excess outlay of Rs. 6 in the present case and to other excesses of Rs. 500 and less.

(Signed) D. McNEIL CAMPBELL, Col., R.E.,
Secretary to Government.

Office-note from the Examiner, Public Works Accounts, dated 22nd July 1897, No. 2325 D./A.

Although, strictly speaking, G.O., No. 2206 W., refers to outlay without appropriation, it has, I find, always been taken by this office to apply equally to outlay in excess of appropriation; and the practice (hitherto accepted by Government) has been to report *all* cases of excesses in the Provincial objectionable item statements, and orders of Government have regularly been passed on them. I can, however, see no good reason for continuing this practice, and if Government wish that in cases like this, *i.e.*, after the official year has expired, items only of *excess over* appropriation over the 500 limit should be reported for their orders, I will, on being told so, give instructions accordingly.

2. In the meantime, it will be taken for granted that the item of Rs. 6 in question may be formally passed.

Order—No. 2407 W., dated 31st August 1897.

In G.O., No. 2206 W., dated 5th September 1894, it was ruled that in the case of all funds other than Imperial and Provincial, a formal appropriation was necessary both for new as well as incomplete works, even if the expenditure was Rs. 500 and less, as otherwise the equilibrium between the grant and the outlay would be disturbed. Through some misapprehension this order was held to apply to outlay of Rs. 500 and less in excess of appropriation noticed after the close of the official year, and sanction of Government has been applied for to such excesses. The Examiner is now of opinion that there is no good reason for continuing the practice, and that only excesses of over Rs. 500 should be treated as objectionable. The Government concurs in this view, and directs that it be adhered to in future.

2. It is observed that the Examiner has, pending this decision, passed the outlay of Rs. 6 incurred in excess of grant under Incorporated Local—Repairs—Communications, in the Tanjore division, during 1896–97.

(True Extract.)

(Signed) D. McNEIL CAMPBELL, Colonel, R.E.,
Secretary to Government.

To Superintending Engineers.
,, the Consulting Architect to Government.
,, the Examiner, Public Works Accounts.
,, the Court of Wards, through the Revenue Department.
,, the Local and Municipal Department, with copy of G.O., No. 2206 W., dated 5th September 1894.

,, the Marine Department.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

TABULAR STATEMENT OF MISCELLANEOUS PROCEEDINGS AND MATTERS OF ROUTINE,

BUILDINGS AND ROADS,

FOR THE MONTH OF AUGUST 1897.

Subjects.	Number and Date of Order.	Numbers and Dates of previous Orders.
European Infantry Bombproof barracks at Trichinopoly.—The transfer of blocks Nos. 21 and 22 in the — to the Salt and Abkári Department in lieu of Nos. 19 and 20 under G.O., No. 411 W., dated 1st February 1896, sanctioned.	2nd Aug. 1897, No. 2089 W.	10th June 1896, No. 1728 W. 1st Feb. 1896, No. 411 W. 5th Oct. 1895, No. 2459 W. 6th July 1895, No. 2215 C. 15th July 1895, No. 1737 W. 7th May 1895, No. 1081 W. 30th Jan. 1895, No. 327 C. 17th Jan. 1895, No. 111 W. 26th Dec. 1894, No. 3299 W. 2nd June 1894, No. 1364 W.
Old Barracks at Tripassur.—The Superintending Engineer's recommendation that the materials of certain portion of the — be demolished and sold and that, as regards the quarters occupied by the three widows, they be allowed to remain on certain condition, sanctioned.	2nd do. do. No. 2090 W.	14th July 1897, No. 1895 W. 9th June 1893, No. 1537 W. 14th Nov. 1892, No. 3115 W. 9th June 1896, No. 1451 W. 30th April 1886, No. 1099 W. 13th March 1886, No. 672 W. 18th May 1885, No. 1162 W. 9th April 1885, No. 870 D. 24th Oct. 1884, No. 2607 W. 24th Oct. 1884, No. 2606 W. 22nd Sept. 1884, No. 2335 W.

Subjects.	Number and Date of Order.	Numbers and Dates of previous Orders.
Temporary Upper Subordinates. — Sanctioning the retention of services of the — who were entertained under G.O., No. 326 W., dated 3rd February 1897, till the 30th September 1897.	2nd Aug. 1897, No. 2091 W.	21st July 1897, No. 883 D. 19th July 1897, No. 864 D. 17th July 1897, No. 857 D. 25th June 1897, No. 489, Rev. 11th July 1897, No. 777 D. 29th June 1897, No. 659 D. 29th June 1897, No. 650 D. 29th June 1897, No. 645 D. 3rd Feb. 1897, No. 326 W.
Standing orders of the Board of Revenue.—Authorising the Superintending Engineer, II Circle, to purchase four copies of one of the unofficial editions of Chapters I and II of the —, as suggested by the Board of Revenue.	2nd do. do. No. 2092 W.	31st May 1897, No. 1460 W.
Purchase of a book.—Sanctioning the purchase of " the new formula for mean velocity of discharge of rivers and canals " for the office of the Chief Engineer for Irrigation and requesting the Financial Department to take the necessary action.	2nd do. do. No. 2093 W.	5th July 1897, No. 1819 W. 19th April 1895, No. 21 D. 15th Nov. 1894, No. 2934 W. 30th Oct. 1894, No. 3368 C. 22nd Oct. 1894, No. 2697 W. 25th April 1895, No. 981 W.
Outlay.—Sanctioning the — incurred on the construction of public offices at Tanjore in excess of the grant for 1896–97.	2nd do. do. No. 2094 W.	......
Famine allowance.—Ordered that a copy of the Proceedings of this Government sanctioning the grant of a — of Rs. 30 per mensem to all Engineers and Engineer Subordinate students who, while undergoing their year of practical instruction, have been employed on famine-relief works, be forwarded to the Government of India.	2nd do. do. No. 2095 W.	18th June 1897, No. 1671 W. 20th July 1894, No. 1823 W. 13th Nov. 1893, No. 832, Educl.
Forwarded	2nd do. do. No. 2096 W.	......
Interchange of Residences.—Sanctioning an — between the Executive Engineers, Kistna Eastern and Northern divisions.	2nd do. do. No. 2097 W.	25th May 1897, No. 1383 W. 8th July 1896, No. 2761 C. 5th June 1896, No. 1676 W. 27th April 1896, No. 2052 C. 15th Jan. 1895, No. 25 I.

Subjects.	Number and Date of Order.	Numbers and Dates of previous Orders.
Neethy Nulliah, late peon, Buckingham Canal division.—Proceedings, Pension Department, granting an invalid gratuity to —, recorded.	2nd Aug. 1897, No. 2098 W.	......
Estimates of Famine expenditure.—Proceedings, Financial Department, passing orders on various matters relating to the accounts and — for 1896–97 and 1897–98 and prescribing forms for the submission of detailed monthly accounts from the commencement of famine operations, communicated to officers concerned for guidance.	2nd do. do. No. 2103 W.	10th May 1897, No. 1204 W. 22nd Feb. 1897, No. 520 W.
Civil Apothecary John Pillai.—Proceedings, Public Department, dismissing with remarks petition from — appealing against the order of the Surgeon-General suspending him for three months for failure to bring to notice the omission of certain entries from his service book, and commenting on the conduct of certain officers of Government, &c., who have assisted at a public meeting held for the purpose of attacking the official character of — a public servant, communicated to officers of the Public Works Department.	2nd do. do. No. 2104 W.	......
Light-houses and Light Vessels off the Coast of Burma.—Endorsement from the Presidency Port Officer forwarding a copy of report on — for 1896–97, recorded.	2nd do. do. No. 2105 W.	22nd Oct. 1896, No. 3001 W. 4th Nov. 1895, No. 2785 W.
Conjeeveram Mooniswami Pillai, late Draftsman, Buckingham Canal division.—Proceedings, Pension Department, granting an invalid pension to —, recorded.	2nd do. do. No. 2106 W.	......
Applications for deputation, travelling and other allowances.—Proceedings, Public Department, drawing attention to the rule laid down in G.O., No. 1886, Financial, dated 15th August 1894, that all — should be submitted through the Accountant-General and directing further that all applications for extensions of joining time and of subsidiary leave shall be forwarded through the same officer, recorded in continuation of G.O., No. 2173 W., dated 3rd September 1884.	3rd do. do. No. 2108 W.	3rd Sept. 1884, No. 2173 W.
Principal Civil Leave and Pension Rules.—Four copies of the — ordered to be supplied to the Examiner, the remaining four being retained in the Secretariat, and the Superintending Engineer, III Circle, informed that the Government of India has intimated that the abstract is not for free distribution and that copies can only be obtained on payment by officers requiring them.	3rd do. do. No. 2109 W.	10th June 1897, No. 1564 W. 17th May 1897, No. 1278 W. 15th April 1897, Nos. 1055–56 W.
Safety of the Treasury rooms at Narsaraopet and Sattenapalle.—Sanction accorded to the Sub-Divisional officer's certificate in regard to the —, Kistna Northern division, being admitted in lieu of that of the Divisional officer.	3rd do. do. No. 2110 W.	......

Subjects.	Number and Date of Order.	Numbers and Dates of previous Orders.
Establishment.—The revised scale of temporary — proposed for the investigation of the Gopayya and Koyyur tanks in Kistna Northern division, sanctioned.	3rd Aug. 1897, No. 2111 W.	11th May 1897, No. 1218 W. 28th April 1897, No. 1095 W. 25th June 1897, No. 2967 C.
Storm lanterns.—Sanctioning the purchase of — for the Kurnool-Cuddapah canal for Rs. 229-2-0 in supersession of G.O., No. 3605 W., dated 15th December 1896.	3rd do. do. No. 2112 W.	12th March 1897, No. 724 W. 15th Dec. 1896, No. 3605 W.
Outlay.—Authorising the Examiner of Public Works Accounts to admit the — of Rs. 284 incurred without appropriation during 1896–97 in connection with the construction of a steamer for the Narsapur ferry.	3rd do. do. No. 2113 W.	3rd June 1896, No. 1654 W.
Security.—The exemption of storekeepers employed on relief works in the Vizagapatam division from furnishing the usual —, sanctioned.	3rd do. do. No. 2114 W.	......
Security.—The payment of — of Rs. 100 by each of the Delta Superintendents K. Achutaramiah and P. Veeresalingam, Gódávari Western division, for the imprest of Rs. 200 allowed to each of them, sanctioned.	3rd do. do. No. 2115 W.	......
Extension of lien.—Approving the — by three days allowed by the Superintending Engineer, III Circle, to clerk B. Narasingaperumal Pillai of the Bellary division when he took up an appointment in the Salt Department.	3rd do. do. No. 2116 W.	6th July 1897, No. 3089 C. 10th June 1897, No. 1570 W. 7th Dec. 1896, No. 3500 W. 29th Oct. 1896, No. 3799 C. 13th Oct. 1896, No. 2917 W. 15th Sept. 1896, No. 2647 W. 12th May 1896, No. 3061 W. 28th July 1896, No. 735 W.
Durbar.—Proceedings, Public Department, directing that whenever a Collector either under the instructions or with the sanction of Government holds a —, all officers of all departments stationed at the head-quarters of the district should attend it, communicated to officers of the Public Works Department.	3rd do. do. No. 2117 W.	......
Security.—The exemption of the Superintendent, Koraiyar head works, Negapatam division, from furnishing — for the imprest of Rs. 5 temporarily allowed him, sanctioned.	3rd do. do. No. 2118 W.	28th Oct. 1896, No. 3060 W.
Famine Sub-division.—The formation of a special — No. I in the Ganjám division, sanctioned.	3rd do. do. No. 2119 W.	14th June 1897, No. 1633 W.

Subjects.	Number and Date of Order.	Numbers and Dates of previous Orders.
Police station-house at Vániyambádi.—Proceedings, Judicial Department, approving the proposal of the Inspector-General for the acquisition of a site for the construction of a — and cancelling G.O., No. 669, Judicial, dated 1st April 1895, ordering the preparation of plans and estimates for adding two wards to the sub-jail at Vániyambádi in order to give more room to the police, communicated to the Superintending Engineer, V Circle, in supersession of G.O., No. 869 W., dated 9th April 1895.	3rd Aug. 1897, No. 2120 W.	15th Dec. 1896, No. 3608 W. 22nd Jan. 1896, No. 379 C. 9th April 1895, No. 869 W.
Articles of European manufacture.—The local purchase of certain — by the Superintendent, Public Works Stores, sanctioned.	4th do. do. No. 2122 W.	12th March 1897, No. 724 W.
College of Engineering manuals.— Authorizing the Superintending Engineer, II Circle, to purchase 5 sets of the — of Hydraulics and Building construction in lieu of the College Text Books of Elementary Civil Engineering, which are out of print.	4th do. do. No. 2123 W.	25th June 1897, No. 2969 C. 9th June 1897, No. 2797 C. 23rd Oct. 1888, No. 4049 C. 4th May 1888, No. 1784 C. 26th Jan. 1888, No. 314 W.
Appointments.—List of subordinate — made by the Executive Engineer, Bellary division, for week ending 10th July 1897, on account of relief works, approved.	4th do. do. No. 2124 W.	26th March 1897, No. 876 W.
Famine-relief operations.—Proceedings, Revenue Department, recording endorsement of the Government of India communicating the Secretary of State's despatch regarding — in the affected provinces of India, recorded.	4th do. do. No. 2125 W.	......
Contingent Bill.—The — of the Bellary division for May 1897, amounting to Rs. 1,074-9-5, sanctioned with remarks.	4th do. do. No. 2126 W.	13th July 1897, No. 3170 C.
Telephone.—Copy of letter from the Superintendent of Telegraphs, Madras division, intimating that arrangements have been made for the removal of the — from "Fernwood" to the "Highlands" the present residence of the General Officer Commanding Southern district, forwarded to the Deputy Adjutant-General, Madras Command.	4th do. do. No. 2127 W.	7th July 1897, No. 3111 C. 30th May 1895, No. 1286 W. 2nd June 1894, No. 1373 W.
Circulation Boxes.—Proceedings, Financial Department, sanctioning the payment of the bill for Rs. 129-2-0 being the cost of — supplied to the Public Works Department by Messrs. Spencer & Co., communicated to the Examiner, Public Works Accounts.	4th do. do. No. 2128 W.	20th July. 1897, No. 3265 C. 1st May 1897, No. 2314 C.
Administration Reports.— Letter to the Chief Engineer, Punjab Public Works Department, forwarding a copy each of the — of the Public Works Department, for 1895-96 General and Irrigation branches, and stating that copies of future reports will be supplied.	5th do. do. No. 2140 W.	......

Subjects.	Number and Date of Order.	Numbers and Dates of previous Orders.
Tochi Field Force.—Ordered that a telegram be sent to the Government of India stating that no expenditure in connection with the — is likely to be incurred in the Public Works Department.	5th Aug. 1897, No. $\frac{2140}{A}$ W.	27th July 1897, No. 949 D. & file.
Relief-workers.—Proceedings, Revenue Department, communicating to the Famine Commissioner letter from the Government of India forwarding, for information, a circular issued by the Government of the North-West Provinces and Oudh on the subject of making provision where necessary for — as soon as the rains set in, communicated to the Superintending Engineers, I and III Circles.	6th do. do. No. 2146 W.	......
Economic condition.—Proceedings, Revenue Department, recording Board's Proceedings submitting to Government report regarding the—in ordinary times of the area affected by the present unfavourable season in the districts of Ganjám and Vizagapatam, communicated to the Superintending Engineer, I Circle.	6th do. do. No. 2147 W.	31st May 1897, No. 1472 W.
Establishment.—The entertainment during 1897–98, of the — required under Mr. Somers-Eve, Executive Engineer, Ootacamund, as entered in the statement submitted by the Superintending Engineer, sanctioned.	6th do. do. No. 2148 W.	31st March 1897, No. 1822 C. 19th June 1897, No. 2931 C.
Mr. A. C. Pereira, Executive Engineer.—Letter from the Secretary, Public Works Department, India Office, intimating that — has changed his surname and that he will in future be known as Mr. A. C. Langston, recorded with reference to G.O., No. 2064 W., dated 29th July 1897.	6th do do. No. 2149 W.	......
Deputation.— Proceedings, Revenue Department, sanctioning the — of M.R.Ry. T. Rama Row Avergal, Deputy Collector, Bellary, as Personal Assistant to the Sanitary Commissioner, during the latter's tour in the Bombay-Deccan, recorded.	6th do. do. No. 2150 W.	......
Fortnightly Narratives.—Proceedings, Revenue Department, recording Board's Proceedings submitting to Government — of the Special Assistant Agent's division, Gódávari district, for the periods ending 15th and 31st May 1897, communicated to the Superintending Engineer, I Circle.	6th do. do. No. 2151 W.	6th July 1897, No. 1831 W. 25th June 1897, No. 1695 W. 12th June 1897, No. 1605 W.
Fortnightly Narrative.—Proceedings, Revenue Department, recording Board's Proceedings submitting to Government, with remarks, — of the Vizagapatam district for the period ending 15th June 1897, communicated to the Superintending Engineer, I Circle.	6th do. do. No. 2152 W.	23rd July 1897, No. 1995 W.
Fortnightly Narrative.—Proceedings, Revenue Department, recording, with remarks, Board's Proceedings submitting to Government — of the Kurnool district for the period ending 15th June 1897, communicated to the Superintending Engineer, III Circle.	6th do. do. No. 2153 W.	23rd July 1897, No. 1990 W. 15th July 1897, No. 1908 W. 2nd July 1897, No. 1780 W.

Subjects.	Number and Date of Order.	Numbers and Dates of previous Orders.
Artillery Barracks at Cannanore.—Estimate of Rs. 120 for repairs to the — now occupied by the Survey office, No. III Party, returned to the Superintending Engineer, IV Circle, for sanction and execution from the repair grant to the West Coast division under Provincial Civil Buildings.	6th Aug. 1897, No. 2154 W.	......
Establishment.—Letter from the Superintending Engineer, IV Circle, stating that the — for the preparation of famine-relief estimates sanctioned in G.O., No. 1841 W., dated 8th July 1897, is not necessary, communicated to the Revenue Department, and the Superintending Engineer directed to report specially on the larger works on which famine labour could be employed and to press on the preparation of certain projects.	6th do. do. No. 2155 W.	8th July 1897, No. 1841 W.
Special Deputy Tahsildars.—Proceedings, Revenue Department, according sanction to the entertainment of four — to relieve the Tahsildars of Gooty, Tadpatri, Dharmavaram and Anantapur taluks of their ordinary duties, communicated to the Superintending Engineer, III Circle.	6th do. do. No. 2156 W.	......
Relief operations.—Proceedings, Revenue Department, recording Board's Proceedings on letter from the Collector of Nellore reporting on the preparations for starting — in case the south-west monsoon fails, communicated to the Superintending Engineer, II Circle.	6th do. do. No. 2157 W.	23rd July 1897, No. 1994 W.
Fortnightly Narrative.—Proceedings, Revenue Department, recording Board's Proceedings submitting to Government, with remarks, — of Anantapur district for the period ending 15th June 1897, communicated to the Superintending Engineer, III Circle.	6th do. do. No. 2158 W.	......
Examination Rules.—Proceedings, Educational Department, sanctioning the exemption from the — of Iyalu Nayudu, acting peon, Consulting Architect's division, from the 17th February 1897 to 26th April 1897, communicated to the Consulting Architect.	6th do. do. No. 2160 W.	13th July 1897, No. 3169 C.
Famine Relief Work.—Proceedings, Revenue Department, sanctioning, with remarks, the opening of the Kocheru-Pyápali road as a — in the Kurnool district, communicated to the Superintending Engineer, III Circle.	7th do. do. No. 2161 W.	......
Relief Works.—Proceedings, Revenue Department, considering that — as at present organised have become unduly attractive owing to the tasks exacted on the works becoming nominal, and suggesting, with remarks, the right way to remedy the evil, communicated to officers of the Public Works Department in continuation of G.O., No. 1938 W., dated 16th July 1897.	7th do. do. No. 2162 W.	16th July 1897, No. 1938 W. 12th July 1897, No. 787 D. 28th June 1897, No. 625 D.
Famine Relief Works.—Proceedings, Financial Department, requesting the Accountant-General to place Rs. 50,000 at the disposal of the Public Works Department for — at Vizagapatam, communicated to the officers concerned.	7th do. do. No. 2163 W.	......

Subjects.	Number and Date of Order.	Numbers and Dates of previous Orders.
Restriction of expenditure during 1897–98.—Letter from the Government of India withdrawing the orders on the — as regards Imperial funds under 35. "Construction of Protective Irrigation Works," and enquiring whether the reduction proposed under 49. Irrigation is possible without causing loss of revenue and whether the removal of orders for the restriction of expenditure under 42 will enable this Government to meet all demands including the one for the Kistna delta system, communicated, with remark, to the officers concerned.	7th Aug. 1897, No. 2164 W.	20th July 1897, No. 868 D.
Taluk Relief officer.—Proceedings, Revenue Department, requesting the Deputy Adjutant-General, Madras Command, to direct Lieutenant Butler of the V Madras Infantry to report himself forthwith to the Collector of Ganjám, for duty as — in the district, and informing that the services of six other Military officers will probably be required for similar duty in the Ceded districts, communicated to the Superintending Engineers, I and III Circles.	7th do. do. No. 2165 W.	......
Objectionable Items.—Orders on the statement of — in the accounts of the Light-house division for April 1897.	7th do. do. No. 2166 W.	23rd July 1897, No. 1988 W. 16th June 1897, No. 1658 W. 25th May 1897, No. 1396 W.
Taluk Relief officers.—Proceedings, Revenue Department, sanctioning the appointments of three — for Kurnool and of two for Bellary, communicated to the Superintending Engineer, III Circle.	7th do. do. No. 2168 W.	......
Travelling allowance.—The grant to peons in the Light-house division of advances on account of — when they proceed on tour with the Executive Engineer or the Upper Subordinates, sanctioned.	7th do. do. No. 2169 W.	22nd July 1896, No. 2136 W.
Fifty-five years' rule.—Proceedings, Financial Department, communicating Government of India resolution extending the application of the rule in regard to the date of an officer attaining the age of fifty-five years for purposes of retirement, communicated to officers of the Public Works Department.	9th do. do. No. 2170 W.	11th Jan. 1896, No. 120 W. 23rd Oct. 1895, No. 2605 W.
Queen's Own Madras Sappers and Miners.—Proceedings, Revenue Department, requesting the Deputy Adjutant-General to move His Excellency the Lieutenant-General Commanding the Forces to direct all the European officers of the — not exceeding three who could be spared for famine duty to report themselves to the Superintending Engineer, III Circle, Bellary, communicated to that officer.	9th do. do. No. 2171 W.	......
Pension Applications.—Proceedings, Pension Department, communicating for guidance a set of rules regarding the maintenance and verification of service books and the submission of —, communicated to officers of the Public Works Department, with remarks.	9th do. do. No. 2172 W.	13th Nov. 1894 No. 3566 C. 19th Oct. 1894, No. 3208 C. 26th Oct. 1894, No. 2741 W.

Subjects.	Number and Date of Order.	Numbers and Dates of previous Orders.
		(*Continued*). 24th Sept. 1894, No. 2403 W. 4th Sept. 1894, No. 2825 C. 22nd Jan. 1894, No. 192 W. 18th Oct. 1893, No. 2654 W.
Relief work at Dumagudem.—Proceedings, Revenue Department, recording Board's Proceedings on explanation from the Collector of Gódávari regarding the closing of the —, communicated to the Superintending Engineer, I Circle.	9th Aug. 1897, No. 2173 W.	......
Temporary Upper Subordinates.—Directing that the pay of two — in the Dumagudem sub-division of the Gódávari Eastern division be passed at the special rates and for the periods named.	9th do. do. No. 2174 W.	1st July 1897, No. 3021 C. 4th June 1889, No. 1473 W. 22nd March 1889, No. 861 W. 8th Oct. 1888, No. 3152 W.
Expenditure under " 33. *Famine Relief* ".—Memorandum in the Financial Department requesting to be furnished with details by districts for the —, along with the monthly Provincial and Incorporated Local Accounts, communicated to the Examiner, Public Works Accounts, for submission of the return.	9th do. do. No. 2175 W.	7th July 1897, No. 3099 C. 5th June 1897, No. 2779 C. 12th May 1897, No 2431 C. 7th April 1897, No. 1997 C.
Overstay of privilege leave.—Proceedings, Public Department, communicating to all gazetted officers, for information, a letter from the Government of India declining to exempt a Collector who overstayed his privilege leave from the loss of his allowances, communicated to officers of the Public Works Department.	9th do. do. No. 2176 W.	......
Buildings in the Central Provinces.—Letter from the Chief Engineer, Central Provinces, forwarding copy of a statement showing the comparative cost and areas of certain selected —, corrected to June 1897, recorded.	9th do. do. No. 2177 W.	14th Oct. 1889, Nos. 2883–84 W.
District Munsif's Court, Bezwada.—Proceedings, Judicial Department, requesting the issue of necessary instructions for the preparation of plans and estimate for constructing a parties' shed for the —, communicated to the Superintending Engineer, II Circle, for submission of the necessary plan and estimate.	9th do. do. No. 2179 W.	......
Tools and plant.—Estimate of Rs. 1,00,000 being the probable value of — and machinery indented for from England for use during 1897–98, sanctioned.	9th do. do. No. 2180 W.	11th Dec 1896, No. 3556 W. 29th July 1896, No. 2180 W.

Subjects.	Number and Date of Order.	Numbers and Dates of previous Orders.
Government gardens and Parks, the Nilgiris.—Proceedings, Revenue Department, reviewing the annual Administration report on the —, for 1896–97, recorded.	9th Aug. 1897, No. 2181 W.	......
Mr. H. T. Keeling, Acting Professor, College of Engineering.—Endorsement from the Principal, College of Engineering, intimating that — passed the third class test in Tamil, communicated to the Examiner and the fact ordered to be noted in the Secretariat registers.	9th do. do. No. 2182 W.	27th July 1897, No. 3344 C. 9th June 1897, No. 2799 C. 19th May 1897, Nos. 2563–64 C. 30th March 1897, No. 1806 C.
Mr. F. J. Wilson, Under Secretary to Government, Irrigation Branch.—Stating that — was deputed to Ootacamund on duty for the period from 28th May to 11th August 1896 and that Mr. Wilson's deputation to Ootacamund on duty this year is authorised by G.O., No. 384, Public, dated 15th April 1897.	9th do. do. No. 2183 W.	8th Oct. 1895, No. 2475 W.
Iron stoves in the clerks' office at Mount Stuart, Ootacamund.—Returning an estimate of Rs. 320 for fitting two — to the Superintending Engineer, IV Circle, for sanction and immediate execution, sanctioning the local purchase of a stove and fittings and requesting the sanction of the Government of India to an enhancement of rent, for the buildings at Mount Stuart, of Rs. 26 per annum.	9th do. do. No. 2183 A W.	5th July 1897, No. 716 D. 1st July 1897, No. 678 D. 22nd Jan. 1897, No. 419 C. 12th Dec. 1896, No. 4890 C. 7th Oct. 1896, No. 3189 W. 27th Aug. 1896, No. 2495 W.
Renting of an office building.—Sanctioning the — at Rs. 3 a month for the Supervisor in charge of Alúr-Aspari road, Bellary division.	9th do. do. No. 2184 W.	......
Draftsman.—Sanctioning an extension of 15 days to the time allowed for a special — for working up the plans, &c., in connection with the Muniyeru project revised estimates, Kistna Northern division.	9th do. do. No. 2185 W.	13th May 1897, No. 1245 W. 6th Jan. 1897, No. 29 W. 3rd Dec. 1896, No. 3452 W.
Temporary overseers.—Sanction accorded to the appointment made in Chief Engineer's memos. Nos. 1000 D. and 1001 D., dated 3rd August 1897, of M.R.Rys. S. Ramamritam and A. Nataraja Aiyar as —.	10th do. do. No. 2187 W.	......
Examination rules.—Proceedings, Educational Department, exempting G. Suriyanarayana Nayudu, temporary clerk, Ganjám division, from the — for certain period, communicated to Superintending Engineer, I Circle.	10th do. do. No. 2188 W.	14th July 1897, No. 3199 C.
Accounts clerk Calmiano.—Sanctioning the payment of Rs. 50 per mensem to — from the date when he joined his appointment at Kurnool for famine duty.	10th do. do. No. 2189 W.	17th July 1897, Nos. 855–56 D. 28th June 1897, No. 1711 W. 4th June 1897, No. 1512 W. 10th May 1897, No. 1203 W. 26th April 1897, No. 2244 C. 28th May 1896, No. 1611 W.

Subjects.	Number and Date of Order.	Numbers and Dates of previous Orders.
		(*Continued.*) 13th Feb. 1896, No. 555 W. 22nd Jan. 1896, No. 257 W. 12th Oct. 1895, No. 2519 W. 7th Sept. 1892, No. 2502 W.
Unanswered references.—Orders on list of — for period ending 31st March 1897, from the Superintending Engineer, III Circle.	10th Aug. 1897, No. 2190 W.	4th Feb. 1897, No. 341 W.
Establishment.—Letter from Superintending Engineer, I Circle, reporting that the extra— applied for by the Executive Engineer, Ganjám division, and sanctioned in G.O., No. $\frac{1662}{A}$ W., dated 17th June 1897, is absolutely necessary, recorded.	10th do. do. No. 2191 W.	......
Bank of the Sarada river, Kasimkóta Estate.—Endorsement in the Revenue Department forwarding Proceedings of the Court of Wards approving, with remarks, the Collector's action in having placed at the disposal of the Executive Engineer, Vizagapatam division, Rs. 5,000 for repairing the —, communicated to the Superintending Engineer, I Circle, and the Examiner of Public Works Accounts, and the Court of Wards requested to provide a further sum of Rs. 1,150 to cover the percentage charge for establishment.	10th do. do. No. 2192 W.	24th Sept. 1896, No. 2728 W.
Indent.—Letter to the Director-General of Stores, India Office, stating that items 506 to 509 of — No. 1, dated 11th January 1897, are not required.	10th do. do. No. 2193 W.	24th July 1897, No. 3286 C. 14th July 1897, No. 3202 C. 14th July 1897, No. 3203 C. 7th July 1897, No. 3121 C. 29th June 1897, No. 2982 C. 13th Feb. 1897, No. 437 W. 13th Feb. 1897, No. 436 W. 15th March 1897, No. 1488 C.
Diversion of the Kallibhuti Nalla.—Proceedings, Local and Municipal Department, communicating to the District Board, Ganjám, Public Works Proceedings passing orders in regard to the incidence of cost of the proposed — in Ganjám district, recorded, pending further orders placing certain amount at the disposal of the Public Works Department.	10th do. do. No. 2194 W.	2nd July 1897, No. 1783 W.
Draftsman's certificate.—Proceedings, Educational Department, exempting T. Sitayya, temporary draftsman, Gódávari Western division, from the necessity of holding a — for certain period, communicated to Superintending Engineer, I Circle.	10th do. do. No. 2195 W.	19th July 1897, No. 3253 C.
G. Raghupathy, late Lock Superintendent, Gódávari Eastern division.—Proceedings, Pension Department, granting a superannuation pension and gratuity to —, recorded.	11th do. do. No. 2197 W.	......

Subjects.	Number and Date of Order.	Numbers and Dates of previous Orders.
Rules regulating the personal conduct of Government servants.—Proceedings, Public Department, communicating Government of India Resolution directing the submission of a report by Civil officers on transfer to a new district of their pre-existing indebtedness, if any, to individuals resident therein and making an addition to that effect to the —, communicated to officers of the Public Works Department.	11th Aug. 1897, No. 2198 W.	......
Pecuniary relations of Government officers.—Government of India circular on the subject of the — with persons subject to their authority, recorded with reference to G.O., No. 2198 W., dated 11th August 1897.	11th do. do. No. 2199 W.	......
General Hospital.—Proceedings, Public Department, issuing an addendum to G.O., No. 868, Public, dated 3rd July 1897, cancelling two orders relating to certain minor additions to the —, communicated to the Consulting Architect.	11th do. do. No. 2200 W.	24th July 1897, No. 2012 W. 3rd June 1897, No. 1510 W. 31st March 1897, No. 918 W. 18th March 1897, No. 783 W. 6th Feb. 1897, No. 374 W. 11th Jan. 1897, No. 147 C. 4th Jan. 1897, No. 4 W. 19th Dec. 1896, No. 5016 C. 6th Nov. 1896, No. 3930 C. & file.
Compensation for sittings provided for soldiers.—The Wesleyan Chaplain, St. Thomas' Mount, ordered to be informed that the Government of India having with full knowledge of the circumstances passed orders refusing the claim to arrears of — for the years 1885–86 to 1889–90, this Government cannot sanction the grant asked for.	11th do. do. No. 2201 W.	7th April 1897, No. 996 W. 4th March 1897, Nos. 613–14 W. 7th Jan. 1897, No. 103 C. 5th June 1896, No. 2439 C. 28th Feb. 1896, No. 736 W. 15th Nov. 1895, No. 2910 W. 2nd Oct. 1895, No. 2418 W. 13th Sept. 1895, No. 2739 C. 17th May 1895, No. 1850 C. 30th April 1895, No. 1699 C.
Hospital Assistant deputed for famine duty.—Proceedings, Financial Department, directing that in cases in which a Collector certifies that it is necessary for a — to hire a conveyance in order to perform his work, the charge allowance fixed in G.O., No. 492 of 1897, shall be raised to Rs. 20 per mensem, communicated to Superintending Engineers.	11th do. do. No. 2202 W.	16th July 1897, No. 1933 W. 5th July 1897, No. 1818 W. 14th April 1897, No. 1042 W. 27th Nov. 1894, No. 3047 W.

Subjects.	Number and Date of Order.	Numbers and Dates of previous Orders.
		(*Continued.*) 8th Nov. 1894, No. 3518 C. 24th Sept. 1894, No. 1095 D. 3rd Sept. 1894, No. 2178 W.
Accident.—Endorsement from Superintending Engineer, V Circle, reporting the happening of an — at the Collector's office at Cuddalore, recorded.	11th Aug. 1897, No. 2205 W.	......
Grant for Military works.—Government of India, Military Department, Resolution showing the distribution of the — in the year 1897–98 as adopted in the final issues of the budget estimates, recorded.	11th do. do. No. 2206 W.	10th April 1897, Nos. 1016–17 W. 3rd Feb. 1897, Nos. 320–21 W.
Indent.—Letter to the Director-General of Stores stating that as regards items 739 and 740 of — No. 1 of 11th January 1897, solid wire is required and that item 741 should be galvanized.	11th do. do. No. 2207 W.	......
Native papers.—Report on — for fortnight ending 31st July 1897, recorded.	13th do. do. No. 2209 W.	......
Test work.—Proceedings, Revenue Department, authorising the Collector of Gódávari to open the tank work at Kottapalli as a — as also a kitchen in connection therewith and stating that the Government is not prepared to generally authorize the Collector to open kitchens and grant gratuitous relief without previous sanction, communicated to Superintending Engineer, I Circle.	13th do. do. No. 2210 W.	......
Paymasters.—Proceedings, Revenue Department, recording Board's Proceedings sanctioning the higher scale of Rs. 50 to the — of the Ganjám district, communicated to the Superintending Engineer, I Circle.	13th do. do. No. 2211 W.	......
South Infantry lines at Trichinopoly.—Letter from the Deputy Adjutant-General, Madras Command, intimating that the item, providing tiled verandah round the place of arms and quarter guard in the —, is not a work of an urgent character, communicated to the officers concerned.	13th do. do. No. 2212 W.	19th July 1897, No. 1956 W. 19th July 1897, No. 1957 W.
Draftsman.—Sanction accorded to the entertainment for a period of three months of a — on Rs. 30 and three surveyors on Rs. 70 each per mensem, for the investigation of projects in the Nellore division.	13th do. do. No. 2213 W.	3rd July 1897, No. 3066 C.
Teakwood.—The transfer of certain old — free of cost to the Reformatory School, Chingleput, sanctioned.	13th do. do. No. 2214 W.	28th March 1895, No. 782 W. 14th March 1894, No. 732 W.
Special Assistant Agent's bungalow at Russellkonda.—Considering that G.O., No. 496 W., dated 19th February 1897, directing that all repairs to the — be carried out by the Public Works Department should be adhered to.	13th do. do. No. 2215 W.	16th July 1897, No. 3222 C. 19th Feb. 1897, No. 496 W. 12th Dec. 1896, No. 3570 W.

Subjects.	Number and Date of Order.	Numbers and Dates of previous Orders.
		(*Continued*). 19th Nov. 1896, No. 4258 C. 20th March 1896, No. 1010 W. 5th July 1893, No. 1742 W. 18th March 1892, No. 892 W. 30th Jan. 1878, No. 500 W.
Amir Mahal.—The estimate for general repairs to the — buildings returned to the Consulting Architect for sanction and execution and that officer directed to submit detailed estimates for certain items of new work.	13th Aug. 1897, No. 2216 W.	3rd July 1897, No. 699 D. 23rd June 1897, No. 2979 C. 14th June 1897, No. 2861 C. 12th May 1897, No. 2451 C. 28th April 1897, No. 46 D. 9th April 1897, No. 2080 C. 11th March 1897, No. 1378 C. 8th Feb. 1897, No. 784 C. 15th June 1892, No. 1784 W. 11th June 1892, No. 1736 W. 12th May 1892, No. 2484 C.
Párvatipuram Jail.—Proceedings, Judicial Department, considering it undesirable to finally abandon the — at present; stating that the Inspector-General is at liberty to renew at the beginning of next year his proposal for its permanent abolition and that in the meanwhile no estimates need be prepared for improvements to the jail buildings, communicated to Superintending Engineer, I Circle.	13th do. do. No. 2217 W.	4th Feb. 1897, No. 329 W. 7th July 1896, No. 633 D. 19th June 1895, No. 1485 W. 29th Nov. 1895, No. 3073 W. 11th March 1895, No. 574 W. 20th Nov. 1894, No. 2972 W. 26th Sept. 1894, No. 2423 W. 9th Feb. 1893, No. 356 W. 9th Aug. 1892, No. 2198 W.
Funds.—Sanctioning, with remarks, certain transfers of — in the North Arcot division.	13th do. do. No. 2218 W.	......
Rent.—Recording endorsement in the Judicial Department transferring letter from the Registrar of the High Court stating that Mr. Travers Drapes has since paid the — due by him for occupying the chambers of the High Court buildings; and stating that G.O., No. 1243 W., dated 13th May 1887, will be in force until Mr. Travers Drapes submits an explanation or apology for delay in paying what was due.	13th do. do. No. 2219 W.	......

Subjects.	Number and Date of Order.	Numbers and Dates of previous Orders.
Indent.—Letter to the Director-General of Stores stating that the lenses demanded in item 32 of — No. 1 of 11th January 1897 should be plano-convex, diameter $\frac{5}{8}''$ and focal length 1″.	14th Aug. 1897, No. 2224 W.	......
Memorials.—Government of India letter requesting that the list of — addressed to the Government of India or the Secretary of State withheld by the Government of Madras during the quarter ended the 30th June 1897 may be submitted early, recorded with reference to G.O., Nos. 2020 W. and 2021 W., dated 26th July 1897.	14th do. do. No. 2225 W.	26th July 1897, No. 2021 W. 29th April 1897, No. 1103 W. 26th July 1897, No. 2020 W. 29th April 1897, No. 1104 W. 1st Aug. 1890, No. 2095 W.
Famine relief estimates, Famine tools, &c.—Proceedings, Revenue Department, passing orders on the final report submitted by the Third Member of the Board of Revenue and the Chief Engineer and Secretary to Government, Public Works Department, regarding —, communicated to officers of the Public Works Department, with remarks.	16th do. do. No. 2226 W.	......
Mr. J. M. Lewis, Manager, Office of the Consulting Architect to Government.—Government of India letter sanctioning the grant to — of a personal allowance of Rs. 50 per mensem, communicated to the Consulting Architect.	16th do. do. No. 2227 W.	3rd July 1897, No. 1805 W. 10th June 1897, No. 2844 C. 14th March 1897, Nos. 1262–63 W. 5th Feb. 1897, No. 735 C. 17th Dec. 1894, No. 3239 W. 6th Feb. 1894, No. 313 W. 10th Jan. 1885, No. 64 C. 13th July 1883, No. 1960 W. 25th June 1883, No. 1788 W. 27th April 1881, No. 24 C.
Government House, Madras.—Authorising the Consulting Architect, with remarks, to proceed, from the repair grant at his disposal, with the annual repairs of —.	16th do. do. No. 2230 W.	12th July 1897, No. 1872 W. 28th June 1897, No. 1712 W.
Mr. J. S. Davey.—The appointment of — as temporary overseer made by the Chief Engineer, sanctioned under paragraph 51, Chapter II, Volume I, Public Works Code.	16th do. do. No. 2236 W.	......
Lower Secondary Training School, Madras.—Proceedings, Educational Department, approving the proposal of the Director of Public Instruction to remove the — to the building lately occupied by the Church Missionary Society, communicated to the Consulting Architect.	17th do. do. No. 2237 W.	15th Jan. 1897, No. 237 W. 19th Dec. 1896, No. 4987 C. 8th Dec. 1896, No. 4695 C. 25th Sept. 1896, No. 2755 W.

Subjects.	Number and Date of Order.	Numbers and Dates of previous Orders.
Railway siding, &c., at the Port of Tuticorin.—Proceedings, Marine Department, passing orders in regard to the incidence of the cost of the — and directing that an estimate of the cost of maintaining the out wall of the reclamation be called for in the Public Works Department, communicated to Superintending Engineer, VI Circle, for necessary action.	17th Aug. 1897, No. 2238 W.	13th Sept. 1894, No. 2327 W. 29th March 1894, No. 840 W. 28th Feb. 1894, No. 552 W. 8th Jan. 1894, No. 14 W.
Presidency Port office building.—A sum of Rs. 27 allotted from the reserve under Excluded Local Port funds for urgent repairs to the signaller's room in the —.	17th do. do. No. 2239 W.	......
Famine.—Proceedings, Revenue Department, recording, with remarks, Board's Proceedings submitting the fortnightly — narrative of the Ganjám district for the period ending 15th June 1897, communicated to Superintending Engineer, I Circle.	17th do. do. No. 2240 W.	23rd July 1897, No. 1993 W.
Establishment.—Sanction accorded, with remarks, to the entertainment of a man on Rs. 15 per mensem for regulating the Gullery channel water and filling in the Russellkonda reservoir, Ganjám district.	17th do. do. No. 2241 W.	15th July 1897, No. 3211 C. 19th June 1895, No. 1498 W. 2nd April 1895, No. 810 W. 1st Sept. 1894, No. 2159 W. 7th May 1894, No. 1127 W. 28th March 1893, No. 840 W. 7th July 1892, No. 1958 W. 24th Nov. 1887, No. 3208 W.
Imprests.—Proceedings, Financial Department, requesting the issue of orders making it imperative on all famine disbursing officers to keep within the amount of their — in the case of Public Works expenditure and in other cases to furnish detailed bills as soon as money has been disbursed, communicated to Superintending Engineers, I and III Circles, with direction that no delay occurs in the recoupment of — granted to Tahsildars.	17th do. do. No. 2242 W.	......
Telephone.—Ordered that the Government of India be requested to sanction the continuance of the connection of Government House, Madras, with the Oriental — Company's exchange.	17th do. do. No. 2243 W.	20th Sept. 1884, No. 2318 W. 28th Aug. 1884, No. 2127 W.
The Government of India addressed	17th do. do. No. 2244 W.	......
Indent.—Letter to the Director-General of Stores stating that items 428 to 430 in — No. 1 of 11th January 1897 are ordinary brass rings fitted with a screw for windows.	17th do. do. No. 2245 W.	......
Mr. C. H. T. Norfor, Executive Engineer.—Ordered that the letters from — on the subject of his claim to exchange compensation allowance under the new rules, be forwarded to the Government of India.	17th do. do. No. 2246 W.	24th June 1897, No. 491, Financial.
Forwarded	17th do. do. No. 2247 W.	......

Subjects.	Number and Date of Order.	Numbers and Dates of previous Orders.
Delay.—Proceedings, Revenue Department, passing orders on report relative to the — in the matter of the supply by the Public Works Workshops of weighing scales to the weavers' depôt at Proddatur, communicated to Superintending Engineer, V Circle.	17th Aug. 1897, No. 2248 W.	......
Famine.—Proceedings, Revenue Department, recording Board's Proceedings submitting, with remarks, the fortnightly — narrative of the Anantapur district for the period ending 30th June 1897, communicated to Superintending Engineer, III Circle.	17th do. do. No. 2249 W.	6th Aug. 1897, No. 2158 W.
Distress at Calicut.—Proceedings, Revenue Department, recording Board's Proceedings passing orders on letter from the Collector of Malabar regarding — and the opening of relief works, communicated to Superintending Engineer, IV Circle.	17th do. do. No. 2250 W.	......
Famine.—Proceedings, Revenue Department, recording Board's Proceedings submitting, with remarks, the fortnightly — narrative of the Kurnool district for the period ending 30th June 1897, communicated to Superintending Engineer, III Circle.	17th do. do. No. 2251 W.	......
Conolly's Canal.—Passing orders censuring Mr. Wood, Executive Engineer, West Coast division, for his action in not replying to a reference from the Collector of Malabar regarding — and directing that the reference be taken up without delay as soon as the Calicut sub-division is strengthened.	17th do. do. No. 2252 W.	23rd June 1897, No. 2944 C. 4th June 1897, No. 1514 W. 8th April 1897, No. 1005 W. 9th Jan. 1897, No. 89 W. 15th Dec. 1896, No. 4851 C. 25th Nov. 1896, No. 606 E. 10th July 1896, No. 80 M. 3rd Feb. 1896, No. 62 M. 17th May 1894, No. 1214 M. 11th Dec. 1891, No. 3342 W.
Assessment on Government buildings.—Proceedings, Local and Municipal Department, communicating, with remark, letter from the Chairman, Municipal Council, reporting that the — at Bellary complained of is fair and reasonable, communicated to Superintending Engineer, III Circle, and the Executive Engineer directed to explain why he did not attend the meeting of the council at which his appeal was heard and argue the case.	17th do. do. No. 2253 W.	5th March 1897, No. 1733 C. 9th Jan. 1897, No. 128 C. 18th Dec. 1896, No. 4952 C. 21st Sept. 1896, No. 2689 W. 24th July 1896, No. 2913 C. 21st Feb. 1896, No. 652 W. 29th Jan. 1896, No. 476 C.

Subjects.	Number and Date of Order.	Numbers and Dates of previous Orders.
		(*Continued*). 16th Oct. 1895, No. 2988 C. 12th Sept. 1895, No. 2276 W. 15th July 1895, No. 1733 W.
Objectionable Items.—Orders on supplemental statement of — in the accounts of Executive Engineers remaining unremedied to end of March 1897, I Circle.	17th Aug. 1897, No. 2254 W.	......
Withdrawals from the Treasury.—Letter from the Superintending Engineer, VI Circle, reporting details of the lump sum in connection with the practicable reductions in —, recorded with remarks and the observatory buildings at Kodaikánal ordered to be proceeded with as rapidly as possible.	17th do. do. No. 2255 W.	3rd Aug. 1897, No. 2121 W. 28th July 1897, No. 2045 W. 23rd July 1897, No. 1986 W. 28th June 1897, No. 1712 W.
Payments in England.—Statement of — on account of stores, freight, &c., under Madras Provincial and Local funds, Public Works, communicated to officers concerned.	17th do. do. No. 2257 W.	21st July 1897, No. 1968 W.
Objectionable Items.—Orders on supplemental statement of — in the accounts of Executive Engineers remaining unremedied to end of March 1897, VI Circle.	17th do. do. No. 2258 W.	15th July 1897, No. 1920 W.
Famine Expenditure.—Proceedings, Financial Department, recording Revenue Proceedings requesting the Famine Commissioner to submit early a revised forecast of — and also Government of India letter sanctioning an additional grant of 14·96 lakhs of rupees for — in Madras during 1897–98, recorded.	17th do. do. No. 2259 W.	......
Police Head-quarter Office, Calicut.—Proceedings, Judicial Department, requesting the issue of necessary orders for the — being examined and estimates being prepared for repairing the building as early as possible, communicated to Superintending Engineer, IV Circle, with direction to take immediate steps to have the building thoroughly repaired.	17th do. do. No. 2260 W.	3rd July 1896, No. 2563 W.
Relief works at Joharapuram.—Proceedings, Revenue Department, recording, with remarks, Board's Proceedings authorizing the District Medical and Sanitary Officer, Kurnool, by wire, to dig small wells on site of the — and debit the same to works, communicated to the Superintending Engineer, III Circle.	17th do. do. No. 2261 W.	......
Relief works.—Proceedings, Revenue Department, communicating to the Collector of Coimbatore note by the Chief Engineer for Irrigation regarding the prospects of the Bhavani reservoir project and Kalingaroyen channel extension being taken up as —, recorded.	17th do. do. No. 2262 W.	9th Aug. 1897, No. 735 I.

Subjects.	Number and Date of Order.	Numbers and Dates of previous Orders.
Mr. A. C. Pereira, Executive Engineer.—Government of India letter intimating that — has changed his surname and that he will in future be known as Mr. A. C. Langston, recorded with reference to G.O., No. 2064 W., dated 29th July 1897.	17th Aug. 1897, No. 2263 W.	6th Aug. 1897, No. 2149 W. 29th July 1897, No. 2064 W.
Relief works.—Proceedings, Revenue Department, recording, with remarks, Board's Proceedings on report from the Collector of Cuddapah regarding certain irregularities at Kodur —, recorded.	17th do. do. No. 2264 W.	......
Rate List, Class C—Workshop Machinery and Heavy Tools for 1896.—Circular from the Director-General of Railways forwarding the —, communicated to officers of the Public Works Department.	18th do. do. No. 2266 W.	19th Sept. 1896, No. 2760 W.
Rate List, Class B—"Engineers' Plant" (excluding petty tools) for 1896.—Circular from the Director-General of Railways forwarding the —, communicated to officers of the Public Works Department.	18th do. do. No. 2267 W.	10th June 1896, No. 1742 W.
Head-quarters of the Wynaad taluk.—Proceedings, Revenue Department, considering that a very strong case has been made out by Mr. Dance for reconsidering the decision arrived at in 1895 to transfer the — to Vayittiri, cancelling G.O., No. 592, Revenue, dated 29th August 1895, and subsequent orders on the subject and stating that the question of the construction of a new taluk office at Manantoddy must however lie over for a year or two, communicated to Superintending Engineer, IV Circle.	18th do. do. No. 2268 W.	19th Nov. 1895, No. 2944 W.
Public Works Secretariat.—Extending to the 31st December 1897 the sanction already accorded to the entertainment of two temporary clerks on Rs. 15 each per mensem in the —.	18th do. do. No. 2270 W.	22nd May 1897, No. 1347 W. 16th Nov. 1896, No. 3285 W. 3rd Oct. 1896, No. 1450 D. 14th March 1896, No. 930 W. 25th Oct. 1895, No. 3115 C. 25th Sept. 1895, No. 2827 C. 14th May 1895, No. 1156 W.
Sweepers.—Sanction accorded to the entertainment, in the Kistna Eastern division, of three — at a total cost of Rs. 4 per mensem in lieu of the three men on Rs. $3\frac{1}{2}$, sanctioned in G.O., No. 1692 W., dated 25th June 1897.	18th do. do. No. 2271 W.	25th June 1897, No. 1692 W. 3rd March 1897, No. 596 W. 28th June 1894, No. 1608 W. 28th July 1897, No. 3355 C.
Funds.—Allotting a sum of Rs. 72 from the reserve under Excluded Local Port — for urgent repairs to the Sacramento lighthouse.	18th do. do. No. 2272 W.	......

Subjects.	Number and Date of Order.	Numbers and Dates of previous Orders.
Taluk office at Tiruvannámalai.—Authorizing the Examiner to admit the excess outlay of Rs. 869 incurred in excess of appropriation on the — during 1896–97.	19th Aug. 1897, No. 2273 W.	27th Feb. 1893, No. 499 W.
Estimates of famine relief expenditure.—Proceedings, Financial Department, requesting the Public Works Department to report as early as practicable in regard to the sufficiency of its grant for the current year under "33. Famine Relief," recorded with reference to certain Government Orders.	19th do. do. No. 2274 W.	8th July 1897, No. 1843 W. 17th June 1897, No. 1664 W. 17th June 1897, No. 1663 W.
Extension of groynes at Cocanada.—Proceedings, Marine Department, directing that the expenditure on account of centage charges in connection with the — be charged against the Cocanada landing and shipping dues in the Civil accounts, communicated to Superintending Engineer, I Circle.	19th do. do. No. 2275 W.	......
Groynes at Cocanada.—Proceedings, Marine Department, directing that the expenditure on the extension of — be met in the first instance from the Port funds of the eastern group and be subsequently charged off to the landing and shipping dues of the port as money comes in and that the committee be asked to consider whether the landing and shipping dues should not be raised at once, communicated to the Superintending Engineer, I Circle.	19th do. do. No. 2276 W.	......
Officers deputed on famine duty.—Proceedings, Revenue Department, stating that — in districts other than that in which they are serving should as a rule not be permitted to take their families with them at the public cost, communicated to officers of the Public Works Department for guidance.	19th do. do. No. 2277 W.	......
Pay and Allowances.—Proceedings, Financial Department, recording a resolution of the Government of India regarding payment and incidence of the — of Medical officers in Military employ deputed to famine duty and plague duty, communicated to officers of the Public Works Department.	19th do. do. No. 2278 W.	......
University Examinations.—Proceedings, Educational Department, communicating the modification of article 91 (*c*) of the Civil Service Regulations in respect of sanction to the acceptance by Government servants of remuneration for conducting — ordered by the Government of India, communicated to officers of the Public Works Department.	19th do. do. No. 2279 W.	......
Officers from Orissa for relief works.—Proceedings, Revenue Department, recording telegram from the Government of Bengal stating that they are to spare any —, recorded.	19th do. do. No. 2280 W.	......
Central Jail at Vellore.—Letter from Superintending Engineer, IV Circle, reporting that no additional grant is required for certain work at the —, recorded.	19th do. do. No. 2281 W.	5th July 1897, No. 1824 W. 12th Nov. 1896, No. 3248 W. 16th Sept. 1896, No. 2658 W. 19th Dec. 1894, No. 3262 W.

Subjects.	Number and Date of Order.	Numbers and Dates of previous Orders.
Local Fund Overseers lent to the Public Works Department.—Proceedings, Financial Department, directing that the pay and allowances of the — be debited to that department and requesting the Famine Commissioner to expedite report regarding the final adjustments to be made between Local and Provincial in the famine accounts of 1896–97, communicated to Superintending Engineer, III Circle, and to other Superintending Engineers.	20th Aug. 1897, No. 2282 W.	......
Famine relief.—Proceedings, Revenue Department, ordering the enforcement of the instructions contained in paragraphs 5 and 6 of G.O., No. 473, Revenue, dated 18th June 1897, in the districts of Ganjám and Vizagapatam, communicated to Superintending Engineer, I Circle.	20th do. do. No. 2287 W.	......
Famine-relief works programme.—Proceedings, Revenue Department recording Board's Proceedings reviewing the — of the Vizagapatam district for 1897–98, communicated to Superintending Engineer, I Circle, and the Chief Engineer for Irrigation.	20th do. do. No. 2290 W.	......
R. Gopal Reddy, retired draftsman. — The employment of — as temporary draftsman in the Kurnool division on account of famine, sanctioned under the provisions of Article 579, Civil Service Regulations.	20th do. do. No. 2291 W.	......
Warm clothing.—Estimate of Rs. 17 for providing — to two peons of the Dindigul Sub-division office in Madura division, sanctioned.	20th do. do. No. 2292 W.	......
Steel tape.—Sanctioning the local purchase of the — required by the Inspector of Steam Boilers at a cost of Rs. 26.	20th do. do. No. 2293 W.	......
Supervision of relief works.—Proceedings, Revenue Department, recording Board's Proceedings drawing the attention of Collectors of affected districts to G.O., No. 962, Revenue, dated 14th October 1891, regarding the — and requesting them to issue instructions to their subordinates to follow the directions therein laid down, communicated to officers concerned.	20th do. do. No. 2294 W.	......
European Stores.—The local purchase of certain — required for use in the Public Works Workshops, sanctioned.	20th do. do. No. 2295 W.	......
Indian Factories Act.—Proceedings, Judicial Department, reviewing reports on the working of the — in the Madras Presidency during 1896, communicated to the officers concerned.	20th do. do. No. 2296 W.	......
Suit.—Stating that an appeal against the District Munsif's decision in the — by contractor Subbiah Chetty of Nellore has already been sanctioned, and awaiting the explanation of the Executive Engineer, Nellore, for the delay in submitting the papers.	21st do. do. No. 2297 W.	12th Aug. 1897, No. 1104 D. 23rd Oct. 1896, No. 3005 W. 23rd April 1894, No. 1044 W. 18th July 1893, No. 2649 C.

Subjects.	Number and Date of Order.	Numbers and Dates of previous Orders.
		(*Continued*). 17th Dec. 1892, No. 3449 W. 15th Dec. 1892, No. 5325 C. 2nd June 1892, No. 1670 W. 8th Aug. 1891, No. 2131 W. 30th June 1891, No. 1765 W. 13th Feb. 1885, No. 336 W.
Sheet lead.—The local purchase of — required for the Vinukonda taluk office, Kistna Northern division, sanctioned with remarks.	21st Aug. 1897, No. 2298 W.	12th March 1897, No. 724 W.
Tents.—Estimate of Rs. 230 for the supply of — to the Supervisor in charge of No. 2, famine sub-division of the Vizagapatam division, sanctioned under "33. Famine Relief."	21st do. do. No. 2299 W.	14th Aug. 1896, No. 2337 W. 31st March 1894, No. 885 W. 30th Jan. 1894, No. 270 W.
Lascars.—Sanctioning the continued employment, up to 6th April 1897, of the two — sanctioned in connection with the preparation of estimates for famine-relief works in the Chingleput division.	21st do. do. No. 2300 W.	23rd Nov. 1896, No. 3358 W. 21st Oct. 1896, No. 3627 W. 17th March 1894, No. 774 W.
Affected districts in the Madras Presidency.—Proceedings, Revenue Department, recording Board's Proceedings submitting a copy of the monthly report sent to the Government of India on the — for June 1897, communicated to Superintending Engineers, I and III Circles.	21st do. do. No. 2301 W.	26th July 1897, No. 2019 W. 17th June 1897, No. 1662 W.
Water-supply scheme, Bellary.—Proceedings, Local and Municipal Department, passing orders on the subject of a —, communicated to Superintending Engineer, III Circle.	21st do. do. No. 2302 W.	22nd April 1893, No. 1121 W. 3rd Feb. 1893, No. 256 W. 3rd Feb. 1893, No. 255 W. 19th Dec. 1892, No. 5385 C. 15th Sept. 1892, No. 397 D. 10th Sept. 1892, No. 360 D. 29th Aug. 1892, No. 265 D. 19th Aug. 1892, No. 215 D. 8th July 1892, No. 3438 C. 3rd June 1892, No. 2858 C. 4th June 1892, No. 1697 W. 19th May 1892, Nos. 1536–37 W.

Subjects.	Number and Date of Order.	Numbers and Dates of previous Orders.
Famine Batta.—Proceedings, Revenue Department, directing that Government servants on Civil establishments in the districts of Bellary, Vizagapatam, Kurnool, Anantapur and Cuddapah be granted — under article 72 of the Civil Account Code with effect from certain dates, communicated to officers concerned.	23rd Aug. 1897, No. 2303 W.	25th May 1897, No. 1394 W. 24th March 1897, No. 855 W. 14th Aug. 1894, No. 2211 W. 22nd June 1888, No. 1866 W.
Contingent Bills.—Sanctioning the — of the Cuddapah division for the months of April and May 1897, amounting to Rs. 538-11-4 and Rupees 559-15-3, respectively.	23rd do. do. No. 2304 W.	......
Establishment.—Sanctioning in supersession of G.O., No. $\frac{1662}{A}$ W., dated 17th June 1897, the — required in the Ganjám division in connection with famine-relief works as detailed in statement, submitted by the Superintending Engineer.	23rd do. do. No. 2305 W.	......
Madras Hill Allowance Code.—Proceedings, Financial Department, stating that certain claims under the — as well as all applications for relaxation of the rules in the Code or for special concessions will in future be dealt with in the Financial Department, recorded for guidance.	23rd do. do. No. 2306 W.	19th Dec. 1890, No. 3388 W.
Powers of sanction.—Endorsement from the Deputy Adjutant-General, Madras Command, forwarding copy of Government of India letter approving the proposal to invest Lieutenant-Generals of Commands with the power to sanction the provision of ceiling cloths in quarters for married rank and file and married sergeants and for certain other officers, communicated to Superintending Engineers, I, IV and VI Circles for guidance.	23rd do. do. No. 2307 W.	......
Indent.—Letter from the Director-General of Stores intimating the arrangements made for the supply of plaster of Paris and wood-oil demanded in — No. 1 of 1897-98, communicated to the Superintending Engineer, V Circle.	23rd do. do. No. 2308 W.	......
Memoirs of the Geological Survey of India.—Authorising the Superintending Engineer, III Circle, to purchase a copy of volume XXV of the —.	23rd do. do. No. 2309 W.	26th July 1897, No. 3312 C. 9th July 1897, No. 3144 C. 5th July 1897, No. 1819 W. 13th March 1897, No. 735 W.
Distribution Lists of the Journal of Indian Art and Industry.—Proceedings, Financial Department, recording Government of India letter regarding the supply to the publishers of —, recorded with the remark that one copy of the journal is supplied to the Public Works Secretariat and that no alteration in this number is desired.	23rd do. do. No. 2310 W.	13th July 1887, No. 1872 W. 29th April 1887, No. 1171 W.

Subjects.	Number and Date of Order.	Numbers and Dates of previous Orders.
Famine Estimates.—Endorsement from the Superintending Engineer, IV Circle, forwarding copy of North Arcot District Board's resolution approving certain — for works in the district, recorded with reference to G.O., No. 2178 W., dated 9th August 1897.	23rd Aug. 1897, No. 2311 W.	9th Aug. 1897, No. 2178 W.
M.R.Ry. S. Bhaskara Aiyar, Apprentice Engineer.—Increasing the salary of — to Rs. 150 per mensem, with effect from the date on which he completed six months practical training.	23rd do. do. No. 2312 W.	14th July 1897, No. 3186 C. 12th June 1897, No. 1598 W. 25th May 1897, No. 1393 W. 18th May 1897, No. 1287 W. 15th April 1897, No. 1059 W. 18th March 1897, No. 1568 C. 2nd March 1897, No. 588 W. 16th Feb. 1897, No. 955 C. 13th Feb. 1897, No. 426 W.
Family quarters for the detachment of British Infantry at Calicut.—Directing that the construction of — be put in hand without delay.	23rd do. do. No. 2313 W.	16th July 1897, No. 1941 W. 12th June 1897, No. 514 D. 10th May 1897, No. 1205 W. 10th April 1897, Nos. 1016–17 W. 12th March 1897, Nos. 727–28 W. 29th Sept. 1896, Nos. 2786–87 W. 19th Sept. 1895, No. 2321 W.
Peons.—Stating that the Government is not satisfied as to the necessity for increasing the pay of the permanent — in the Ernad roads sub-division, West Coast division.	23rd do. do. No. 2314 W.	7th May 1897, No. 1185 W. 21st April 1897, No. 2207 C. 25th March 1897, No. 1740 C. 12th March 1897, No. 1442 C. 23rd Feb. 1897, No. 1097 C. 23rd Feb. 1897, No. 1081 C. 9th Feb. 1897, No. 817 C. 29th Jan. 1897, No. $\frac{617}{A}$ C.
Correspondence.—Endorsement from the Superintending Engineer, III Circle, forwarding — on the subject of his action in regard to the Chinnatambalam tank work and of the delay in the communication of certain circular to subordinates in charge of relief works in Bellary division, communicated to the Revenue Department with remarks.	23rd do. do. No. 2315 W.	24th July 1897, No. 2005 W. 8th July 1897, No. 755 D.

Subjects.	Number and Date of Order.	Numbers and Dates of previous Orders.
Veterinary Hospital, Saidapet.—Proceedings, Educational Department, approving the proposal for the construction of quarters for the officer in charge of the — and for the change of the designation of the second clerk, Agricultural College, into "second clerk and assistant bailiff" and permitting the latter to live in the farm buildings free of rent, communicated to the Consulting Architect for necessary action.	23rd Aug. 1897, No. 2316 W.	......
Lunatic Asylum, Calicut.—Proceedings, Public Department, passing orders on the subject of the repairs and additions to the — proposed by the Surgeon-General, communicated to Superintending Engineer, IV Circle, for guidance and necessary action.	23rd do. do. No. 2317 W.	9th Jan. 1896, No. 72 W. 6th Dec. 1895, No. 3872 W. 29th Oct. 1895, No. 2718 W. 8th Oct. 1895, No. 2479 W. 14th Sept. 1895, No. 2290 W. 18th June 1894, No. 1502 W. 29th Aug. 1893, No. 2205 W. 7th Oct. 1892, No. 2806 W.
Mortgage Bond.—Forwarding to the General Record Department, for safe custody, the — executed by M.R.Ry. Venkataswami Nayudu, clerk, Superintending Engineer's office, II Circle, together with the title-deeds of the property on which the advance of six months' pay was made to him for building a house.	23rd do. do. No. 2318 W.	25th Jan. 1897, No. 239 W.
Books in files.—Proceedings, Public Department, revising paragraph 5 of G.O., No. 992, Public, dated 11th September 1896, regarding the arrangement of books in flat files of records, recorded.	23rd do. do. No. 2319 W.	......
Erratum in G.O., No. 1946 W., dated 17th July 1897, on Government of India Resolution on the statements of suspense balances, &c., at the end of official year 1895–96.	23rd do. do. No. 2320 W.	......
Chemical Laboratory, Presidency College.—Letter from the Director-General of Stores enclosing a copy of a quotation from Messrs. Brinjes and Goodwin for the boiler, &c., for the —, and intimating that the boiler has been ordered in accordance therewith, communicated to the Consulting Architect.	23rd do. do. No. 2321 W.	......
Exchange Compensation Allowance.—Proceedings, Financial Department, stating that the Government of India will be addressed on the subject of the interpretation of rule XIII of the new rules for the grant of —, communicated to the Examiner, Public Works Accounts.	23rd do. do. No. 2322 W.	......
Police Station-house.—Proceedings, Judicial Department, requesting the issue of orders for preparation of estimates for a new second class — within the compound of the taluk office at *Srungavarapukota*, Vizagapatam district, communicated to the Superintending Engineer, I Circle, for necessary action.	23rd do. do. No. 2323 W.	......

Subjects.	Number and Date of Order.	Numbers and Dates of previous Orders.
Preliminary Account of Provincial Services.—Proceedings, Financial Department, reviewing the — for 1896–97, recorded.	24th Aug. 1897, No. 2327 W.	......
Missing Voucher.—Authorizing the Examiner to accept, in lieu of the — No. 5/206 of March 1896 in the accounts of the Kistna Eastern division, a certificate complying with the prescribed conditions.	24th do. do. No. 2328 W.	27th April 1891, No. 1154 W.
Objectionable items.—Orders on supplemental statement of — in the accounts of the Consulting Architect's division for March 1897.	24th do. do. No. 2329 W.	......
Objectionable items.—Orders on supplemental statement of — in the accounts of the Executive Engineers remaining unremedied to end of March 1897, III Circle.	24th do. do. No. 2330 W.	19th July 1897, No. 1951 W. 31st May 1897, No. 1479 W.
Unanswered references.—Orders on list of — in the office of the Superintending Engineer, VI Circle, on 1st July 1897.	24th do. do. No. 2331 W.	4th Feb. 1897, No. 340 W.
Syed Mahomed, late lock laskar, Gódávari Western division.—Proceedings, Pension Department, granting an invalid gratuity to —, recorded.	24th do. do. No. 2332 W.	......
Examination rules.—Proceedings, Educational Department, exempting K. Pattabhirama Row, temporary clerk, Kistna Northern division, from the — for certain period, communicated to the Superintending Engineer, II Circle.	24th do. do. No. 2333 W.	......
Objectionable items.—Orders on statement of — in the accounts of the Consulting Architect's division for May 1897.	24th do. do. No. 2334 W.	......
Surplus stores.—Letter from the Government of Bengal forwarding a return of — and tools and plant available for sale or transfer in their Public Works Department for the year ending 31st March 1897, communicated to the Superintending Engineer, V Circle.	24th do. do. No. 2335 W.	......
Bengal Barrack Regulations.—Letter to the Government of India, Military Department, requesting that orders may be issued for the supply to the Examiner, Public Works Accounts, Madras, of a copy of the — with correction slips to date.	24th do. do. No. 2336 W.	4th Nov. 1885, No. 2591 W. 14th Oct. 1885, No. 2323 W. 6th June 1885, No. 1311 W. 23rd Aug. 1895, No. 1263 W.
Taluk office at Bhaváni.—Authorizing the Examiner to admit the outlay of Rs. 24 incurred in the purchase of mango saplings for shade purposes in the compound of the —, and stating that the maintenance of the trees will rest with the Tahsildar.	24th do. do. No. 2337 W.	4th March 1897, No. 1237 C. 6th Feb. 1897, No. 1745 C. 18th March 1896, No. 971 W. 21st Feb. 1896, No. 637 W. 11th Feb. 1896, No. 799 C. 17th Jan. 1896, No. 279 C.

Subjects.	Number and Date of Order.	Numbers and Dates of previous Orders.
Temporary Engineers.—Government of India letter stating that it is considered more convenient that appointments of — should commence if possible from the beginning of a half year and in any case from the beginning of a month, and that Mr. Stuart's extension of service was therefore sanctioned with effect from the 1st September 1897, communicated to the Superintending Engineer, III Circle, with reference to G.O., No. 1659 W., dated 17th June 1897.	24th Aug. 1897, No. 2338 W.	(*Continued.*) 19th Dec. 1895, No. 3252 W. 26th Aug. 1895, No. 2130 W. 8th March 1895, No. 543 W. 20th July 1897, Nos. 1959–60 W. 17th June 1897, Nos. 1659–60. 12th Aug. 1897, No. 2314 W. 2nd July 1896, Nos. 1937–38 W. 2nd Nov. 1895, No. 2775 W. 5th Oct. 1895, No. 2463 W. 29th Aug. 1895, No. 876 D. 16th July 1895, No. 1757 W. 6th June 1895, No. 1328 W. 22nd April 1895, No. 918 W.
Royal Artillery building at Cannanore.—Endorsement from the Deputy Adjutant-General, Madras Command, communicating the approval of His Excellency the Lieutenant-General Commanding the Forces to the dismantlement of the portico attached to the —, communicated to the Superintending Engineer, IV Circle.	25th do. do. No. 2341 W.	......
Medical College, Madras.—Authorizing the Examiner to admit the outlay of Rs. 1,469 incurred in excess of the sanctioned estimate for extending the Chemical Laboratory at the —.	25th do. do. No. 2342 W.	......
Taluk Relief officer for the Gooty taluk.—Proceedings, Revenue Department, sanctioning the appointment of a — and informing the Collector of Anantapur by wire that the Commissioner of Salt and Abkári Revenue has been telegraphed to direct Mr. Hinde of Nellikuppam to join his appointment at Gooty at once, communicated to the Superintending Engineer, III Circle.	25th do. do. No. 2343 W.	6th Aug. 1897, No. 2156 W.
Mr. W. J. Howley, Executive Engineer.—Proceedings, Local and Municipal Department, stating that Government is unable to recognize the resignation of the District Board, Gódávari, by —, and ordering that he be re-appointed as member, communicated to the Superintending Engineer, I Circle, for Mr. Howley's information.	25th do. do. No. 2344 W.	......
Primary Examination.—Proceedings, Educational Department, exempting Ramaswami and two others from passing the — on certain understanding until 31st December 1897, in view to their employment as peons in Madura division, communicated to the Superintending Engineer, VI Circle.	25th do. do. No. 2345 W.	21st July 1897, No. 3276 C.

Subjects.	Number and Date of Order.	Numbers and Dates of previous Orders.
Mortuary.—The estimate for the construction of a — to be attached to the Civil Dispensary at Cannanore, returned, with remarks, to the Superintending Engineer, IV Circle, for sanction and execution from the Minor works grant to the West Coast division.	25th Aug. 1897, No. 2346 W.	2nd July 1897, No. 684 D.
Paper Currency office, Madras.—Proceedings, Financial Department, requesting the issue of orders for the preparation of plans and estimates for extending the room now occupied by the Police guard of the —, communicated to the Consulting Architect for necessary action.	25th do. do. No. 2347 W.	......
Sub-Judge's Court building in the Nilgiris.—Proceedings, Judicial Department, approving the preparation of plans and estimates for certain additions to the —, communicated to the Superintending Engineer, IV Circle, for necessary action.	25th do. do. No. 2348 W.	......
Credits.—Authorizing the Examiner of Public Works Accounts to issue — to the extent of 21 lakhs in excess of existing grants pending a specific allotment of funds which will be made in the Financial Department, and stating that this sum includes two lakhs for Bellary and one lakh for Kurnool.	25th do. do. No. 2349 W.	......
Ootacamund lake reclamation project.—Proceedings, Local and Municipal Department, requesting the Municipal Council, Ootacamund, to place at once a sum of Rs. 40,000 at the disposal of the Executive Engineer in charge of the —, communicated to the Superintending Engineer, IV Circle, and the sanction of the Financial Department requested to the amount being treated as an addition to the Public Works grant under 45. Provincial, Civil Works.	25th do. do. No. 2350 W.	11th June 1897, No. 1587 W.
Famine Relief.—Proceedings, Financial Department, sanctioning with remarks an additional allotment of Rs. 50,000 for — in Ganjám district, communicated to officers concerned with remark.	25th do. do. No. 2351 W.	15th July 1897, No. 1919 W. 15th June 1897, No. 1639 W. 19th May 1897, No. 1325 W. 4th May 1897, No. 1149 W. 26th March 1897, No. 871 W. 24th Feb. 1897, No. 535 W.
Leave and pay certificates furnished to officers proceeding on leave to Europe on account of ill-health.—Proceedings, Financial Department, communicating Government of India Resolution directing that the fact of leave having been granted on a medical certificate should invariably be stated in the — whether the leave be technically one on medical certificate or not, communicated to officers of the Public Works Department.	25th do. do. No. 2352 W.	......

Subjects.	Number and Date of ... Order.	Numbers and Dates of previous Orders.
Civil Engineers and Uncovenanted Civil Servants.—Ordered that the list of —, European and East Indian, employed in the Madras Public Works Department on the 1st April 1897, be forwarded to the Government of India.	25th Aug. 1897, No. 2357 W.	25th Aug. 1896, No. 2463 W. 20th Dec. 1895, No. 3262 W. 9th Aug. 1895, No. 1963 W. 13th Aug. 1894, Nos. 1995-96 W. 25th May 1893, No. 1390 W.
Forwarded	25th do. do. No. 2358 W.	......
Settlement.—Proceedings, Revenue Department, passing orders on the scheme for the — of the Hindúpur and Madakasíra taluks of the Anantapur district, communicated to the Chief Engineer for Irrigation and the Superintending Engineer, III Circle.	25th do. do. No. 2359 W.	......
Graves of Europeans in Native States.—Proceedings, Political Department, communicating to Political officers for careful observance the instructions of the Government of India for the preparation and submission of returns of —, communicated to Superintending Engineers concerned.	26th do. do. No. 2360 W.	10th March 1896, No. 865 W. 16th Feb. 1895, No. 404 W. 29th June 1894, No. 1628 W.
Funds.—Proceedings, Financial Department, requesting the Accountant-General to place at the disposal of the Collector of Malabar the sum of Rs. 176 for repairs to the Deputy Tahsildar's office at Tangasséri, communicated to officers concerned.	26th do. do. No. 2 1 W.	28th July 1897, No. 2048 W.
Office for the Sub-Collector at Hosur.—Proceedings, Revenue Department, agreeing with the Board in considering that the construction of a new — and of a new record-room is unnecessary, communicated to the Superintending Engineer, IV Circle.	26th do. do. No. 2362 W.	20th May 1897, No. 2596 C. 8th May 1897, No. 2414 C. 19th Dec. 1896, No. 4974 C. 28th Aug. 1896, No. 3212 C.
Rules for assessing Government Buildings.—Letter from the Superintending Engineer, III Circle, requesting a reply to his reference regarding a modification of the — for Municipal taxes, recorded, with reference to G.O., No. 2253 W., dated 17th August 1897.	26th do. do. No. 2363 W.	17th Aug. 1897, No. 2253 W. 25th March 1897, No. 1733 C. 9th Jan. 1897, No. 128 C. 18th Dec. 1896, No. 4952 C. 21st Sept. 1896, No. 2689 W. 24th July 1896, No. 2913 C. 21st Feb. 1896, No. 652 W. 29th Jan. 1896, No. 496 C. 16th Oct. 1895, No. 2988 C. 12th Sept. 1895, No. 2270 W. 15th July 1895, No. 1733 W.

Subjects.	Number and Date of Order.	Numbers and Dates of previous Orders.
Funds.—Telegram from the Executive Engineer, Kistna Eastern division, reporting the amounts which are available for surrender under Imperial, and Excluded Local, Civil Works, recorded with remarks.	26th Aug. 1897, No. 2364 W.	......
Establishment.—Telegram from the Superintending Engineer, III Circle, reporting, with reference to G.O. No. 2171 W., dated 9th August 1897, that no more staff is required at present, communicated to the Revenue Department.	26th do. do. No. 2365 W.	9th Aug. 1897, No. 2171 W.
Index maps.—Letter to the Surveyor-General, Survey of India department, Calcutta, forwarding two — showing roads completed and opened for traffic in the Chingleput district during 1896–97.	26th do. do. No. 2366 W.	7th Jan. 1897, No. 273 W. 1st Feb. 1896, No. 415 W. 1st Nov. 1896, No. 2769 W. 8th Aug. 1895, Nos. 1960–61 W. 30th April 1895, No 999 W. 31st Jan. 1895, No. 229 W. 11th May 1894, No. 177 W. 12th March 1894, No. 690 W. 2nd Feb. 1894, No. 486 C. 22nd Dec 1893, No. 3334 W.
Examination Rules.—Proceedings, Educational Department, sanctioning the proposal of the Superintending Engineer, I Circle, for the temporary exemption from the — of persons employed on famine duty in posts as clerks and storekeepers on Rs. 20 or under in the Ganjám and Vizagapatam districts, communicated to Superintending Engineer, I Circle.	26th do. do. No. 2367 W.	......
Police Hospital at Chintapalle.—Proceedings, Judicial Department, cancelling the sanction accorded in G.O., No. 1120, Judicial, dated 6th July 1896, for the construction of a —, communicated to Superintending Engineer, I Circle, with remarks.	26th do. do. No. 2368 W.	27th Aug. 1896, No. 2477 W.
Famine.—Proceedings, Revenue Department, recording, with remarks, Board's Proceedings submitting the fortnightly — narrative of the Vizagapatam district, for the period ending 30th June 1897, communicated to the Superintending Engineer, I Circle.	26th do. do. No. 2369 W.	6th Aug. 1897, No. 2152 W.
G. Rama Rau, late clerk, Superintending Engineer's office, III Circle.—Proceedings, Pension Department, granting an invalid pension of Rs. 12 to —, recorded.	26th do. do. No. 2371 W.	......
Ootacamund Lake reclamation project.—Proceedings, Financial Department, recording certain Public Works Proceedings in connection with the removal to Ootacamund of the 4th Pioneers for employment in the —, recorded.	26th do. do. No. 2372 W.	30th June 1897, No. 1732 W. 25th June 1897, No. 1697 W. 11th June 1897, No. 1587 W.

Subjects.	Number and Date of Order.	Numbers and Dates of previous Orders.
Taluk office at Proddatur.—Correspondence on the subject of the preparation of the original and revised estimates for constructing a —, and the rates allowed therein, recorded.	26th Aug. 1897, No. 2373 W.	8th April 1897, No. 2040 C. 24th March 1897, No. 1686 C. 19th Feb. 1897, No. 1013 C. 19th Dec. 1896, No. 3675 C. 19th Dec. 1896, No. 5033 C. 25th Aug. 1896, No. 1139 D. 28th April 1893, No. 1180 W.
Restriction of expenditure.—Proceedings, Public Department, communicating to all heads of departments under that department Public Works Proceedings on Government of India telegram withdrawing the orders regarding — on Provincial and Local Fund Works, recorded.	26th do. do. No. 2374 W.	3rd Aug. 1897, No. 2121 W. 23rd July 1897, No. 1986 W.
Expenditure on Famine Relief.—Proceedings, Revenue Department, communicating to the Famine Commissioner, with remarks, letter from the Government of India authorizing the Madras Government to spend up to the limit of 35 lakhs on Famine Relief, recorded.	26th do. do. No. 2375 W.	2nd Aug. 1897, No. 2103 W.
Restriction of expenditure.—Proceedings, Ecclesiastical Department, communicating to certain officers Public Works Proceedings on Government of India telegram withdrawing the orders regarding — on Provincial and Local Fund Works, recorded.	26th do. do. No. 2376 W.	3rd Aug. 1897, No. 2121 W. 23rd July 1897, No. 1986 W. 28th June 1897, No. 1712 W.
Telegraph line.—Letter from the Director-General of Telegraphs intimating that the question of extension of the — to Bhadráchalam is being inquired into, recorded, pending receipt of further information.	26th do. do. No. 2377 W.	8th July 1897, Nos. 1844–45 W.
Gratuity.—Proceedings, Pension Department, sanctioning, with remarks, the payment of a — of Rs. 7–8–0 already made to the father of cooly Narayudu who died while working on the Muniyeru project, recorded.	26th do. do. No. 2378 W.	28th July 1897, No. 3364 C.
Famine Relief.—Proceedings, Financial Department, recording statement of sums sanctioned on account of — in the various districts of this Presidency to the end of July 1897, recorded.	26th do. do. No. 2379 W.	28th July 1897, No. 2056 W. 7th July 1897, No. 1837 W. 17th June 1897, No. 1667 W. 15th April 1897, No. 1053 W. 9th March 1897, No. 688 W. 26th Feb. 1897, No. 554 W. 22nd Feb. 1897, No. 521 W.

Subjects.	Number and Date of Order.	Numbers and Dates of previous Orders.
Objectionable items.—Orders on statement of — in the accounts of Executive Engineers remaining unremedied to end of March 1897, I Circle.	27th Aug. 1897, No. 2381 W.	3rd Aug. 1897, No. 2113 W. 16th July 1897, No. 1929 W. 15th July 1897, No. 1921 W. 30th June 1897, No. 1734 W. 28th June 1897, No. 1715 W. 14th June 1897, No. 1629 W. 3rd June 1897, No. 1503 W. 31st May 1897, No. 509 I. 27th May 1897, No. 1428 W. 7th April 1897, No. 2014 C.
Objectionable items.—Orders on statement of — in the accounts of Executive Engineers remaining unremedied to end of March 1897, IV Circle.	27th do. do. No. 2382 W.	4th June 1897, No. 1520 W. 19th July 1897, No. 1952 W. 12th July 1897, No. 1862 W. 5th July 1897, No. 1824 W. 3rd May 1897, No. 1142 W. 3rd May 1897, No. 1143 W. 3rd Feb. 1897, No. 313 W. 26th Oct. 1896, No. 3040 W. 30th Sept. 1896, No. 2808 W. 19th Feb. 1896, No. 617 W.
Famine.—Proceedings, Revenue Department, recording, with remark, Board's Proceedings submitting to Government the fortnightly — narrative of the Ganjám district, for period ending 30th June 1897, communicated to Superintending Engineer, I Circle.	27th do. do. No. 2383 W.	17th Aug. 1897, No. 2240 W.
Mr. R. W. Lyons, Clerk, Public Works Secretariat.—Proceedings, Financial Department, admitting the claim of — for travelling allowance on behalf of his wife and children who were obliged to leave Ootacamund for Madras, by ill-health of one of the children, communicated to the Examiner of Public Works Accounts.	27th do. do. No. 2384 W.	10th Aug. 1897, No. 1076 D.
Office building for the Sub-Registrar of Denkanikota.—Proceedings, Judicial Department, approving the Inspector-General's proposal to construct an — in the Salem district, communicated to Superintending Engineer, IV Circle, for submission of the necessary estimate.	27th do. do. No. 2385 W.	......

Subjects.	Number and Date of Order.	Numbers and Dates of previous Orders.
Inspection Notes of Public Works officers on relief works.—Proceedings, Revenue Department, stating with remarks that the Government is not prepared to debar Public Works officers from communicating their inspection notes to the Chief Engineer, communicated to the Superintending Engineer, III Circle.	30th Aug. 1897, No. 2388 W.	3rd Aug. 1897, No. 1011 D. 26th July 1897, No. 927 D. 24th July 1897, No. 2009 W. 16th July 1897, No. 827 D. 9th July 1897, No. 549, Rev. 1st July 1897, No. 1767 W. 28th June 1897, No. 629 D. 17th May 1897, No. 250 D.
Outlay in excess of appropriation.—Authorizing the Examiner to admit certain — incurred during 1896–97 in the divisions of the III Circle.	30th do. do. No. 2389 W.	......
European stores.—The local purchase of certain — required for use in the Public Works Workshops, sanctioned.	30th do. do. No. 2390 W.	12th March 1897, No. 724 W.
Coal tar.—The local purchase of — required for use in Kistna Northern division, sanctioned.	30th do. do. No. 2391 W.	......
Objectionable items.—Orders on supplemental statement of — in the accounts of Executive Engineers remaining unremedied to end of March 1897, V Circle.	30th do. do. No. 2392 W.	2nd Aug. 1897, No. 2094 W. 19th Dec. 1896, No. 3671 W.
Steamers and punts.—Estimate of Rs. 20,400 for expenditure on — in the Gódávari Eastern division during 1897–98, sanctioned.	30th do. do. No. 2393 W.	3rd Nov. 1896, No. 3138 W. 18th Oct. 1896, No. 2816 W. 2nd Sept. 1896, No. 3258 C. 8th Aug. 1896, No. 3020 C. 29th July 1896, No. 2945 C. 16th July 1896, No. 2065 W. 18th May 1896, No. 440 I. 14th May 1896, No. 429 I. 9th May 1896, No. 1475 W. 6th April 1896, No. 1210 W.
Subordinates of other departments.—Letter from the Superintending Engineer, III Circle, on the subject of the payment of salaries of —, temporarily transferred to the Public Works Department for relief works, with the Examiner's office-note thereon, recorded with reference to certain Government orders which disposed of the question.	30th do. do. No. 2397 W.	20th Aug. 1897, No. 2282 W. 10th Aug. 1897, No. 2196 W. 12th July 1897, No. 779 D. 23rd June 1897, No. 1689 W. 24th Feb. 1897, No. 535 W.

Subjects.	Number and Date of Order.	Numbers and Dates of previous Orders.
Indent.—Letter to the Director-General of Stores stating that if "nails rosehead" of the description asked for in item No. 427 of — No. 1, dated 11th January 1897, are not procurable, the requisition may be expunged.	30th Aug. 1897, No. 2398 W.	10th Aug. 1897, No. 2193 W.
Land and Kiln accounts, Consulting Architect's division.—Approving the proposed monthly credit of Rs. 610 to the land and kiln accounts from August 1897.	30th do. do. No. 2399 W.	2nd June 1897, No. 2749 C. 20th May 1897, No. 2593 C. 5th May 1897, No. 2341 C. 9th April 1897, No. 2045 C. 26th July 1897, No. 3324 C.
Cruz Milagre Dam at Cochin.—Allotting a sum of Rs. 200 from the reserve under Excluded Local, Port funds, for filling in the erosion at toe of the north end of the —.	30th do. do. No. 2401 W.	24th July 1897, No. 1998 W.
Outlay in excess of appropriation.—Authorizing the Examiner to admit the outlay of Rs. 1,226 incurred in excess of appropriation during 1896–97 on the construction of a new treasury for the Treasury Deputy Collector at Nellore.	30th do. do. No. 2402 W.	22nd March 1897, No. 833 A.W. 4th March 1897, No. 604 W.
Bellary District Manual.—Proceedings, Revenue Department, requesting the Superintendent, Government Press, to supply a copy of the — to the Superintending Engineer, III Circle, communicated with remarks to that officer.	30th do. do. No. 2403 W.	18th Aug. 1897, No. 3545 C.
Famine-relief.—Letter from the Superintending Engineer, I Circle, explaining his action in the matter of finding suitable works for — in the Vizagapatam district, communicated to the Revenue Department.	30th do. do. No. 2404 W.	2nd Aug. 1897, No. 1065 D. 6th Aug. 1897, No. 1044 D. 23rd July 1897, No. 1985 W. 22nd July 1897, No. 898 D. 21st July 1897, No. 877 D. 17th July 1897, No. 854 D. 12th June 1897, No. 520 D. 12th June 1897, No. 516 D. 17th May 1897, No. 246 D. 3rd June 1897, No. 430, Rev.
Funds.—Withdrawing a sum of Rs. 10,000 from the grant to the Chundale-Mysore road in the West Coast division and surrendering it to the Financial Department in view to the amount being placed at the disposal of the President, District Board, Malabar, for improving and maintaining the Calicut-Vayittiri Road.	30th do. do. No. 2405 W.	12th July 1897, No. 783 D. 5th July 1897, No. 714 D. 5th Sept. 1895, No. 2216 W. 10th April 1897, No. 1014 W.

Subjects.	Number and Date of Order.	Numbers and Dates of previous Orders.
		(*Continued*). 29th July 1896, No. 2207 W. 28th March 1894, No. 816 W. 20th May 1897, No. 1331 W. 13th Feb. 1897, No. 429 W.
Native newspapers.—Report on — for fortnight ending 15th August 1897, recorded.	30th Aug. 1897, No. 2406 W.	......
Stores.—Ordered that the estimate of — required from England for the Buildings and Roads and Irrigation branches of the Public Works Department during 1898–99 be forwarded to the Government of India, Public Works Department.	31st do. do. No. 2408 W.	......
Forwarded	31st do. do. No. 2409 W.	......
Funds.—Requesting the Financial Department to provide the additional grant of Rs. 70,000 required in the V Circle under 33. Famine-relief, tools and plant, to meet the cost of famine tools.	31st do. do. No. 2410 W.	......
Examination Rules.—Proceedings, Educational Department, exempting T. K. Atchyuthan, temporary clerk, West Coast division, from the — for certain period, communicated to the Superintending Engineer, IV Circle.	31st do. do. No. 2411 W.	6th Aug. 1897, No. 3445 C. 1st July 1897, No. 1747 W. 19th May 1897, No. 2556 C. 24th May 1895, No. 1249 W. 1st May 1895, No. 1033 W. 1st May 1895, No. 1032 W.
Objectionable items.—Orders on supplemental statement of — in the accounts of Executive Engineers remaining unremedied to end of March 1897, II Circle.	31st do. do. No. 2412 W.	30th June 1897, No. 1725 W. 31st May 1897, No. 2707 C. 31st Jan. 1895, No. 232 W. 12th Dec. 1894, No. 4032 C. 24th August 1894, No. 2122 W. 3rd Aug. 1894, No. 1929 W. 18th Jan. 1894, No. 145 W. 13th Oct. 1893, No. 3344 C. 18th Feb. 1893, No. 434 W. 20th Oct. 1892, No. 567 D.
Security.—The grant of imprests without security to certain sub-overseers in III Circle for petty payments being made on relief works, sanctioned.	31st do. do. No. 2413 W.	3rd June 1897, No. 1505 W.

Subjects.	Number and Date of Order.	Numbers and Dates of previous Orders.
Telephone.—Ordered that the Government of India be requested under the circumstances explained to confirm the sanction accorded by this Government to the connection of the Consulting Engineer's office with the Oriental — and Electric Company's Exchange, Madras.	31st Aug. 1897, No. 2414 W.	22nd May 1897, No. 1356 W. 20th Sept. 1884, No. 2318 W. 28th Aug. 1884, No. 2127 W.
The Government of India addressed	31st do. do. No. 2415 W.	......
P. Chinnaswamy Buthen, Temporary Overseer.—Directing the dismissal of — from service and his criminal prosecution, if there is sufficient evidence, and administering a severe reprimand to Sergeant Furnell for his action in making certain payment in the Tanjore division.	31st do. do. No. 2416 W.	......
Book.—Proceedings, Financial Department, requesting Messrs. Baker & Co. to forward to the Chief Engineer for Irrigation a copy of "the new formulæ for mean velocity of discharge of rivers and canals" by W. R. Kuttar, communicated to the Chief Engineer for Irrigation.	31st do. do. No. 2417 W.	2nd Aug. 1897, No. 2093 W. 5th July 1897, No. 1819 W. 19th April 1895, No. 21 D. 15th Nov. 1894, No. 2934 W. 30th Oct. 1894, No. 3368 C. 22nd Oct. 1894, No. 2697 W. 25th April 1895, No. 981 W.
D. Lakshmikanta Rau Pantulu, late clerk, Kistna Eastern division.—Proceedings, Pension Department, granting a retiring pension to —, recorded.	31st do. do. No. 2418 W.	......
Ootacamund water-supply.—Proceedings, Local and Municipal Department, requesting the Municipal Council, Ootacamund, to arrange to pay the balance of his professional fee to Mr. G. T. Walch for investigating a scheme for the —, recorded.	31st do. do. No. 2419 W.	......
Letters of credit.—Proceedings, Financial Department, recording Public Works Proceedings on the Examiner's office-notes reporting the amount of the — issued to the famine divisions to end of May and for June 1897, recorded with reference to G.O., No. 2274 W., dated 19th August 1897.	31st do. do. No. 2420 W.	19th Aug. 1897, No. 2274 W. 8th July 1897, No. 1843 W. 17th June 1897, No. 1664 W. 17th June 1897, No. 1663 W.